WAGO Pluggable Connection System *WINSTA*®

Full Line Catalog, Volume 5 – Edition 2019/2020

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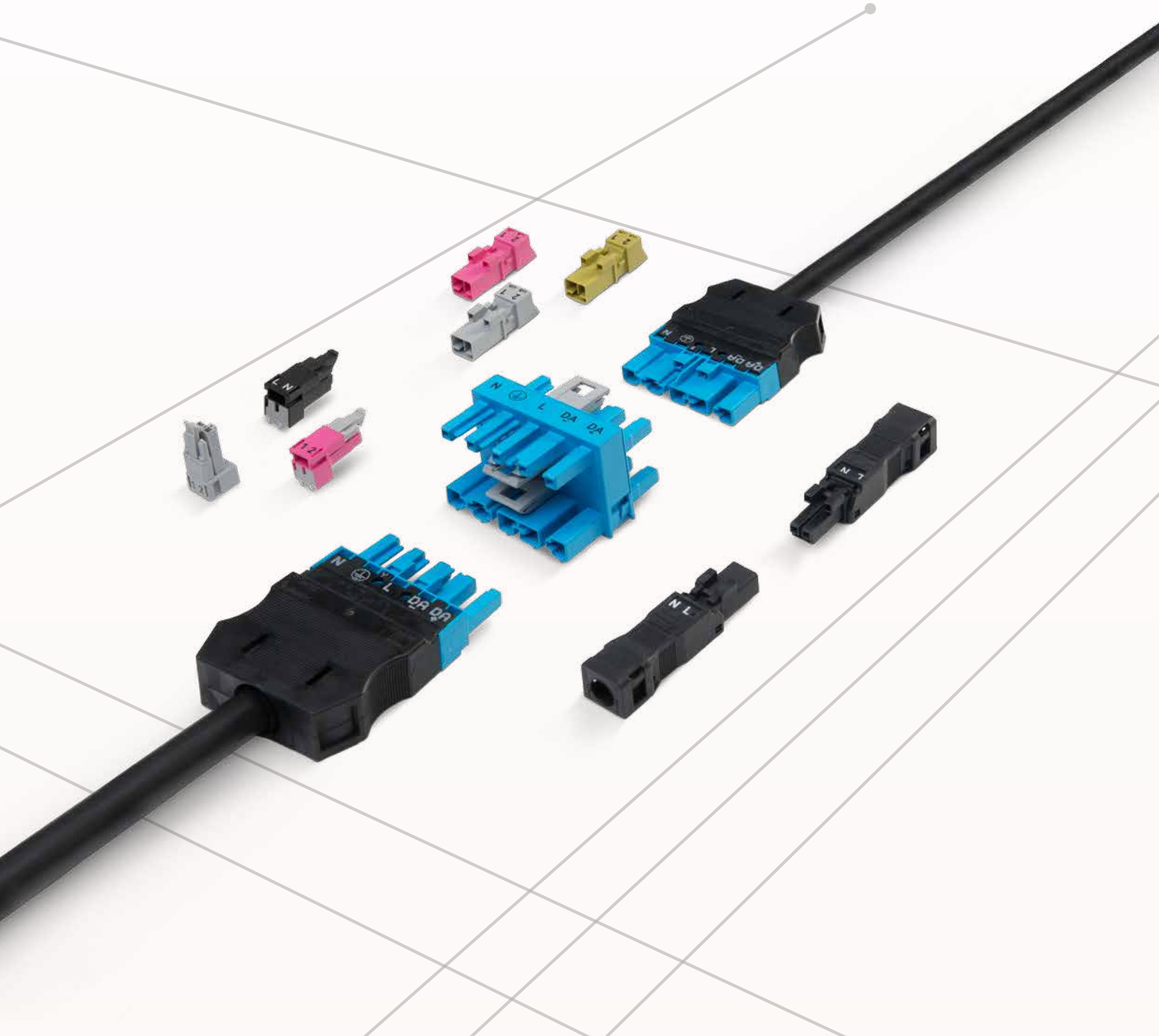

WAGO Full Line Catalogs

Volume 1, WAGO Rail-Mount Terminal Block Systems

- Rail-Mount Terminal Blocks
- Rail-Mount Terminal Blocks with Pluggable Connector (X-COM®-SYSTEM)
- Patchboard Systems
- Terminal Strips
- PUSH WIRE® Connectors for Junction Boxes
- Lighting Connectors
- Shield Connecting System

Volume 2, WAGO PCB Terminal Blocks and WAGO Connectors

- PCB Terminal Blocks
- THR/SMD PCB Terminal Blocks
- *MULTI CONNECTION SYSTEM (MCS)*
- Pluggable PCB Terminal Blocks
- Feedthrough Terminal Blocks
- Specialty Connectors
- Empty Housings

Volume 3, Automation Technology

- Solutions & Software
- Operating & Monitoring
- Controllers
- Modular I/O-SYSTEM, IP20
- Industrial Switches
- Radio Technology
- IP67 Sensor/Actuator Boxes, IP67 Cables and Connectors

Volume 4, WAGO Interface Electronic

- Relay and Optocoupler Modules
- Signal Conditioners and Isolation Amplifiers
- Current and Energy Measurement Technology
- Power Supplies
- Interface Modules and System Wiring
- Overvoltage Protection
- Empty Housings

Volume 5, WAGO Pluggable Connection System *WINSTA*®

- Pluggable Connectors
- Snap-In Device Connectors
- Pluggable PCB Connectors
- Distribution Connectors
- Cable Assemblies
- Flat Cable Systems
- Distribution Boxes

Volume 6, WAGO Marking

- Printer
- Software
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- Cable and Conductor Marking
- Device Marking
- Marker Carriers

Volume 5, WAGO Pluggable Connection System *WINSTA*®

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	WAGO Pluggable Connection System *WINSTA*® MINI 890/891 Series; 2- to 5-Pole Pluggable connectors, snap-in device connectors, pluggable PCB connectors, distribution connectors, cable assemblies	**1.5 mm²; 16 A**	25
	WAGO Pluggable Connection System *WINSTA*® MINI special 890/891 Series; 2- to 5-Pole Pluggable connectors, snap-in device connectors, pluggable PCB connectors, distribution connectors, cable assemblies	**1.5 mm²; 16 A**	111
	WAGO Pluggable Connection System *WINSTA*® MIDI 770/771 Series; 2- to 7-Pole Linect® T-connectors, pluggable connectors, snap-in device connectors, pluggable PCB connectors, distribution connectors, cable assemblies	**4 mm²; 25 A** linect	171
	WAGO Pluggable Connection System *WINSTA*® MIDI special 770/771 Series; 2- to 5-Pole Pluggable connectors, snap-in device connectors, pluggable PCB connectors, distribution connectors, cable assemblies	**4 mm²; 25 A**	307
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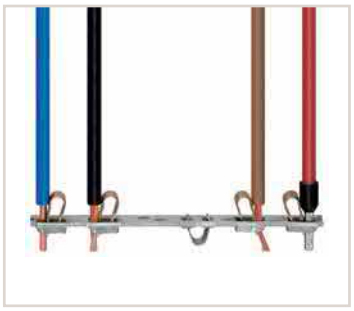
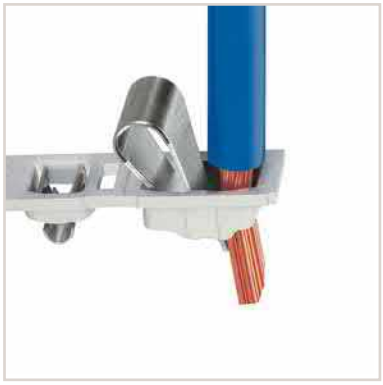
Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

PUSH-IN CAGE CLAMP®





The universal connection with an additional advantage: Push-in termination

Terminate solid and stranded, as well as ferruled conductors, by simply pushing them in – no tools required.

Termination for all conductor types:
- Open clamping unit
- Insert the conductor
- Release clamp – done!

Push-in CAGE CLAMP® terminates the following copper conductors:

solid

stranded

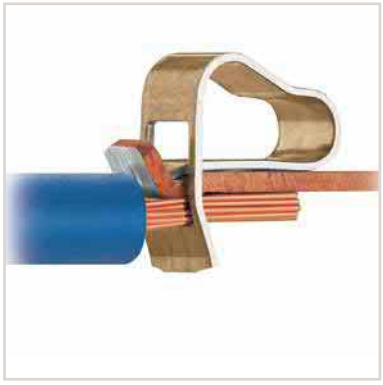
fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

fine-stranded, with ferrule (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

CAGE CLAMP®



The universal connection for solid, stranded and fine-stranded conductors

Termination:
- Open clamping unit
- Insert the conductor
- Release clamp – done!

CAGE CLAMP® terminates the following copper conductors:

solid

stranded

fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

fine-stranded, with ferrule (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

POWER CAGE CLAMP®

POWER CAGE CLAMP terminates the following copper conductors:

solid

stranded

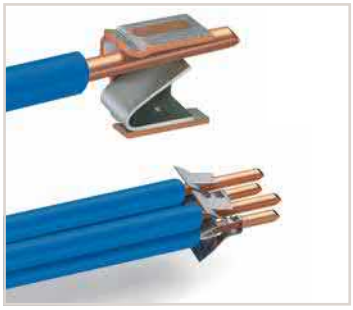
fine-stranded, also with tinned single strands

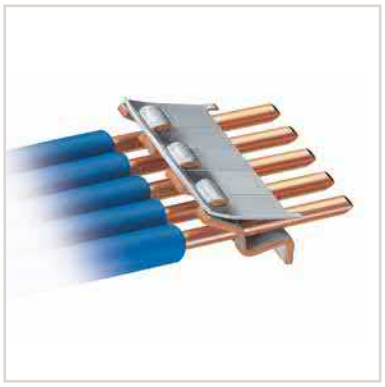
fine-stranded, with ferrule (gastight crimped)

The universal connection for conductors larger than 35 mm² (2 AWG)

Termination:
- Open clamp by turning a T-wrench counter-clockwise
- Press the integrated latch to open clamping unit for hands-free wiring
- Insert the conductor
- A small counter-clockwise rotation closes the clamp, securing conductor

PUSH WIRE®





PUSH WIRE® terminates the following copper conductors:

solid

PUSH WIRE® connection for solid and stranded conductors (depending on the model used)

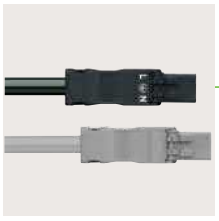
Termination:
Tool-free, twist-free terminations for solid and rigid stranded conductors – simply push into the unit

WINSTA® – A Complete Series Perfects the System

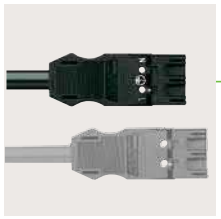
The *WINSTA*® Pluggable Connection System

is the electrical interface that links power supply and distribution to electrical loads (e.g., lights) and encompasses data processing (bus lines in building automation).

***WINSTA*® MINI**
***WINSTA*® MINI special**



***WINSTA*® MIDI**
***WINSTA*® MIDI special**



***WINSTA*® MIDI Linect®**

***WINSTA*® MAXI**

***WINSTA*® RD**

***WINSTA*® KNX**

***WINSTA*® IDC**

Comprehensive WAGO Project Support:

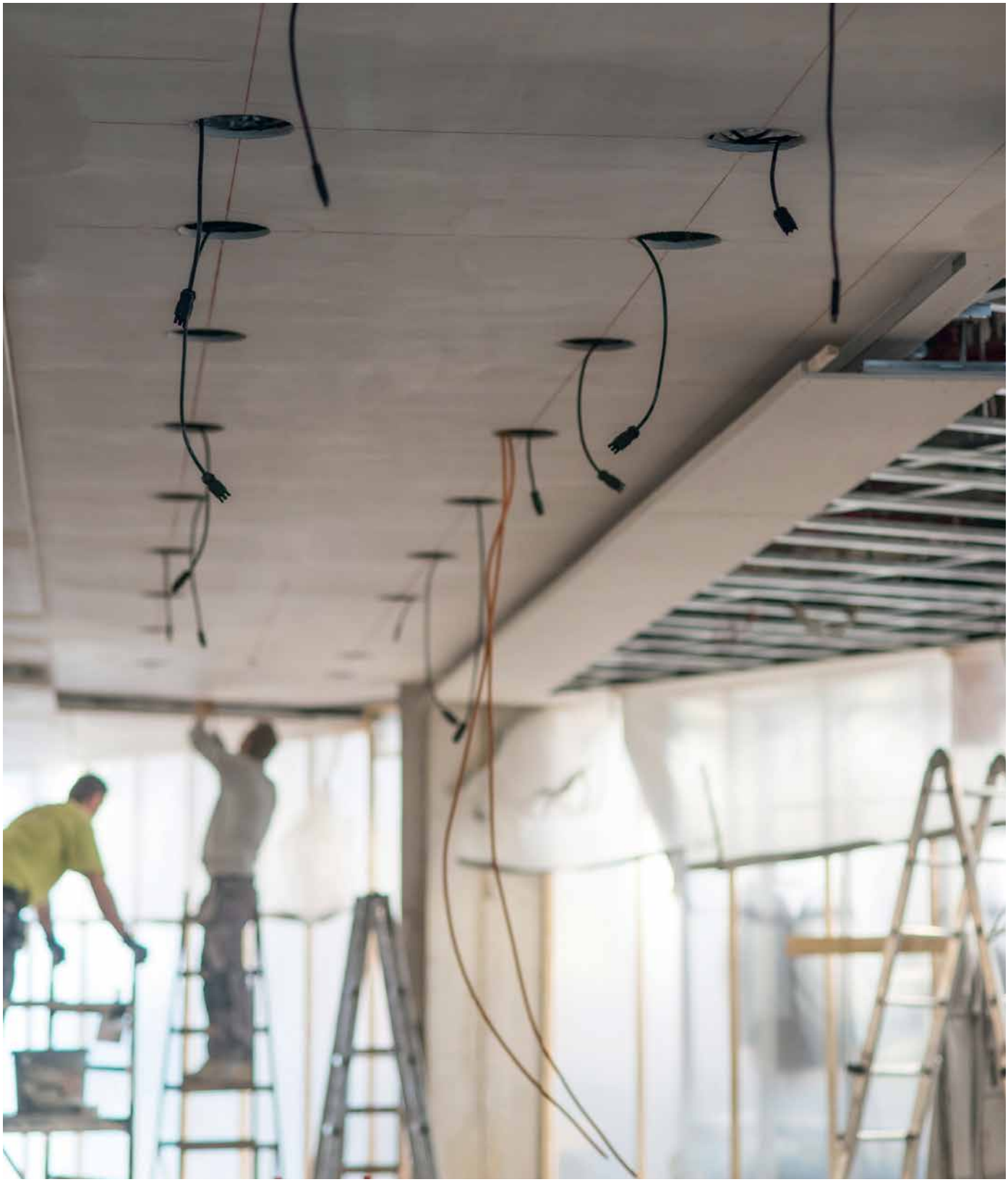
WAGO offers consulting and project planning services to help devise the best possible solution for your project. Our experienced team of professionals will gladly help you implement your project with our products.

www.wago.com/winsta

WINSTA® – The Pluggable Connection System

Plug into Power!

Even though the life cycle of a building stresses longevity, construction times are ever shorter and, particularly for functional buildings, operations are often subjected to continual reconstruction and relocation. ´ Conditions within the construction industry show similar dynamic change: Overall construction volume is rising, so the order books are nicely filled. Yet at the same time, that industry struggles with a shortage of qualified workers. The ***WINSTA***® Pluggable Connection System is the answer because speed, flexibility and expandability are becoming increasingly more important as integral keys to the long-term viability of buildings.



Planning

- End-to-end, application-oriented solutions from supply to load
- Integration of bus systems like DALI, SMI or KNX possible
- Decentralize energy distribution by integrating individually manufactured ***WINSTA***® and system distribution boxes
- International approvals, along with our numerous successfully concluded building projects and references from the shipbuilding, transport and machinery/plant engineering areas, confirm high product quality.

Setup/Installation

- Evident time savings for the installer on the construction site thanks to Plug & Play connections.
- Pre-assembled cables and distribution components mean distribution connectors are easily inserted, so there is no more laborious wiring in junction boxes.
- Mechanical coding and color identification enable clear assignment to the power circuit for secure protection against mismating – especially when used with the optional individual printing.

Utilization

- Simple, swift change for newly planned room divisions or extensions
- Numerous system partners bring future security
- Locking latches for solid, secure component connections

Maintenance

- The ***WINSTA***® Pluggable Connection System is based on maintenance-free spring pressure connection technology.
- ***WINSTA***® **MIDI** features thoughtfully designed test ports that enable testing when plugged in.
- Color coding, e.g., for plugs or distribution connectors, enables fast power circuit identification.

Conversion/Modernization

- The electrical installation can be flexibly reconfigured or extended, adapting readily to individual requirements.
- Energy-efficient, sustainable products for room automation, for example, can be integrated into a ***WINSTA***® installation for renovations or other conversions.
- Minimized downtimes for maintenance processes (e.g., for exchanging lights).

Perfectly Plugged Applications

***WINSTA*® Building Applications**

Every family within the ***WINSTA*®** system features an extremely broad product portfolio to meet the power supply and signal transmission requirements of modern buildings. Individual components including plugs, sockets, distribution connectors, cable assemblies and boxes with pluggable outputs provide all you need for fast and easy electrical installations. Additionally, the ***WINSTA*®** MINI special and MIDI special families offer various mechanical and optical coding options for clearly identifying different circuits, while allowing bus signals to be distributed via pluggable connections.

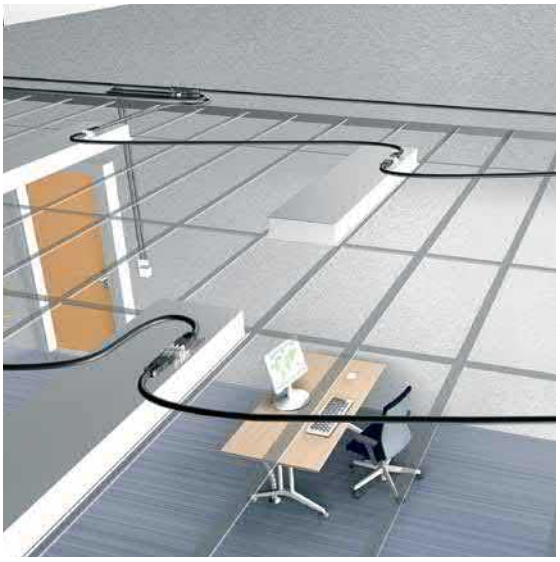
Raised-Floor Box

- IDC flat cables provide power supplies to raised-floor boxes.
- For each type of supply, a flat cable line is installed in the raised floor and fed via supply modules.
- Tap-off is performed via a cable assembly that is protected against mismating.
- Floor boxes come with integrated snap-in connectors.

Cable Duct

- Power supply distribution to a 230 V mains is performed using a pre-assembled ***WINSTA*®** Distribution Box.
- Power outputs are plugged into trunking outlets via pre-assembled interconnecting cables with integrated ***WINSTA*®** Plugs and Sockets.

iStock.com/Johnny Greig



Sunblind Control

- A connecting cable supplies the ***WINSTA***® Distribution Box for sunblind control.
- The sunblinds can also be operated via switches, as a user may expect.
- The distribution box connectors are protected against mismating.
- The application is pre-assembled to save installation time and expedite system expansion.

Lighting

- The ceiling lights are connected to the distribution box via Linect® T-Connectors and ***WINSTA***® Cable Assemblies.
- The circuit is flexible, quick to set up and can readily adapt to new requirements using the pluggable connection system.
- Linect® lights can be installed and removed just as quickly.

Perfectly Plugged Applications

WINSTA® Applications in Other Industries

Ships
Pluggable connection of smoke detectors, balcony door contacts, speakers and lights expedite electrical installation.

@gilles lougassi/Fotolia.com

RVs
Electric power and lighting for the interior – benefit from fast, safe and faultless installation.

@06photo/Fotolia.com

Trains
Plug & Play components support on-schedule completion and quick component replacement using pluggable outlets, displays, internal circuits, door contacts, speakers and lighting.

iStock.com/ fallbrook

iStock.com/kirza

Elevators
Simplified installation and maintenance thanks to pluggable connections for electric power and lighting in the compartments

@Photocreo Bednarek/Fotolia.com

Shops and Trade Shows
Flexible installation that optimally provides electricity and lighting to temporary structures, or those that are frequently modified

@maho/Fotolia.com

Device Connection at Home

Ignition fans for pellet heating, connection of room control devices, electrical and lighting installation for integrated room systems

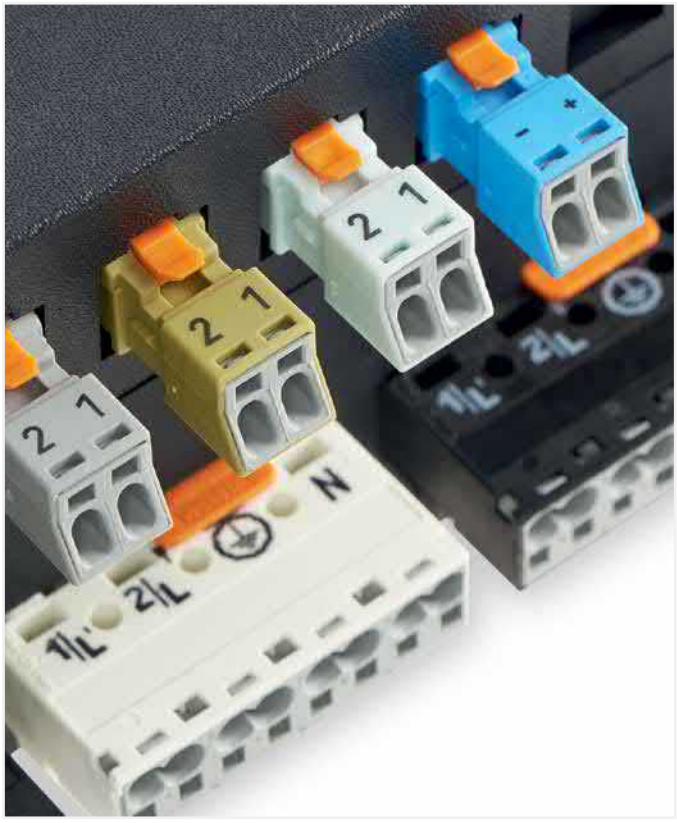
Devices and systems in homes and other private buildings have to be started and disconnected quickly and easily. This can be done at any time via touch-proof ***WINSTA***® Pluggable Connectors.

iStock.com/06photo

Perfectly Plugged Applications

***WINSTA*® Applications in Other Industries**

Retail Centers
Within electrical and lighting installations in consumer electronics stores, home improvement centers, supermarkets and other high-traffic environments, pluggable electrical installation is the gold standard.



@Photocreo Bednarek/Fotolia.com

Device Connection for Industrial Applications

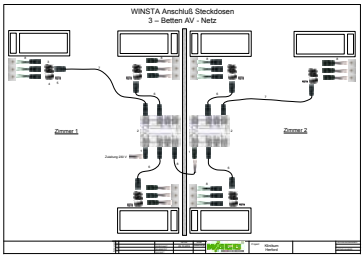
Control systems, single-room controllers, presence detectors, empty bottle return machines and more

Manufacturers of industrial devices and systems are faced with a number of challenges. ***WINSTA*®** snap-in device connection permits fast, safe and error-free commissioning.

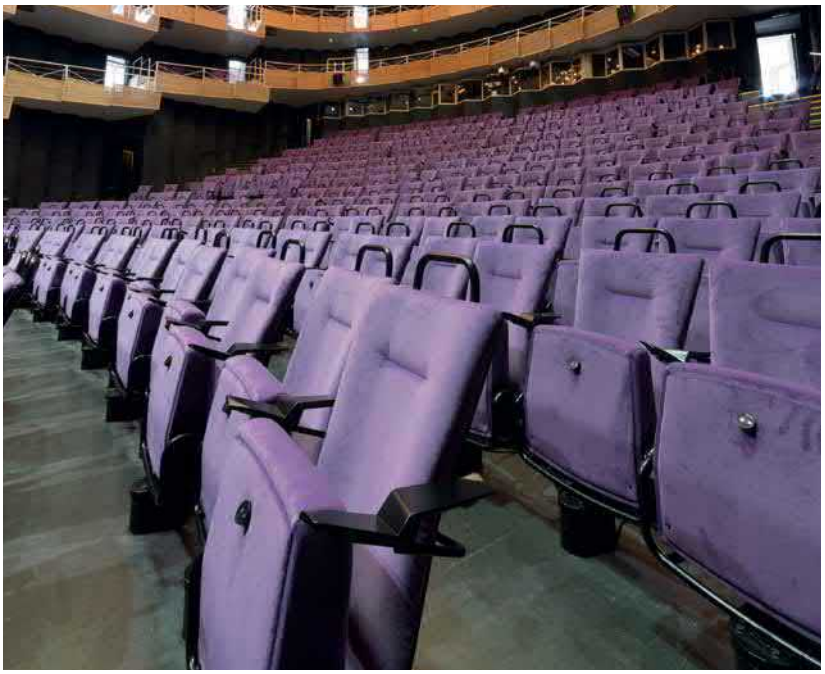
Customer Applications

Lanfer Automation
The company completely renovated its headquarters, targeting greater energy efficiency through innovative automation technology. The installation yielded additional benefits, because using the bus technology meant no multiple lines had to be laid. As an additional benefit, ***WINSTA***® simplified the connections between systems and devices

Zinser Fashion House
The Zinser Fashion House was completely modernized in a very short time, without interrupting operations. Instead of individually wiring 2000 lights per floor, only 30 to 35 ***WINSTA***® **Boxes** had to be wired in each story, leaving only the lights to be plugged in.



Herford Hospital
The clinic decided to use ***WINSTA***® for the electrical wiring of the new, one- and two-bed patient rooms. For the installation of sockets on patient beds, a concept that enabled simple pre-assembly was designed. The corridor lighting in the hospital was implemented with the pluggable connection system, resulting in 70% less effort and 30% lower costs.



Münster Municipal Theater
The Münster municipal theater was the first theater constructed in Germany after World War II. As part of its renovation, the illuminated seat numbering was modernized using ***WINSTA***® Pluggable Connectors. The emergency lighting was also revamped using ***WINSTA***® **MINI**. The results simply sparkle.

WINSTA® – System Partners

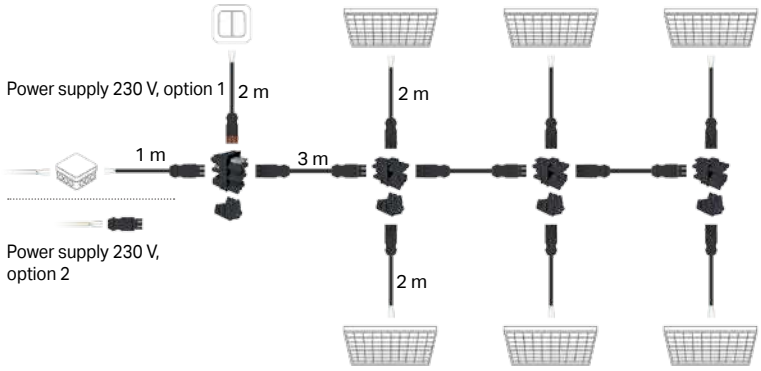
Pluggable, End-to-End Design and Installation

The core advantage of the ***WINSTA***® Pluggable Connection System is in the time it saves. Electrical designers save time, especially when they can quickly and neatly create complete electrical plans the installers can use to build complete electrical systems on the construction site. The job is done on time and without a hitch!

With ***WINSTA***® and the connected system partners, a coherent and consistent electrical design is seamlessly implemented and realized from supply to the "last mile"; that is, the interfaces to the fixed installation, such as lights or sockets.

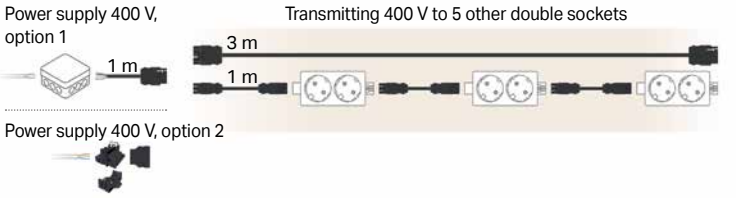
- All system partners maintain catalog articles with ***WINSTA***® Pluggable Connection Technology.
- The system partner program covers all building installation interfaces, right to the end user.
- Manufacturers that carry the ***WINSTA***® system partner logo equip their complementary products with the original WAGO Connection Technology and WAGO Pluggable Connectors.

Please feel free to contact us if you would like to have further information about our local ***WINSTA***® system partners!



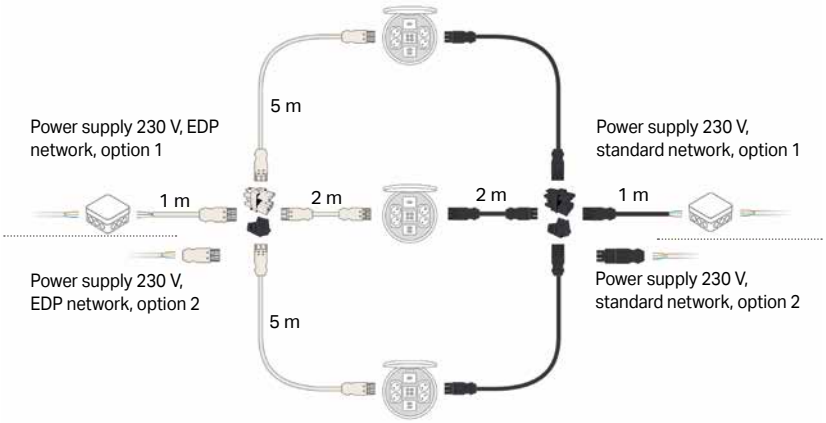
Lighting Fixtures

- Major time savings, since the plugs are already mounted at the factory.
- Also available for LED lights



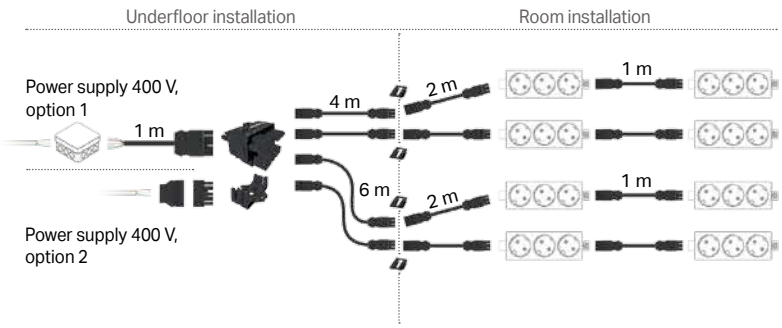
Switches/Sockets/Cable Ducts

- As one example, with ***WINSTA®***, cable duct elements can be preassembled by the meter and installed on the construction site with just a few easy steps.



Underfloor

- Our system partners' underfloor boxes are available with either a handy, short connecting cable or a snap-in plug.



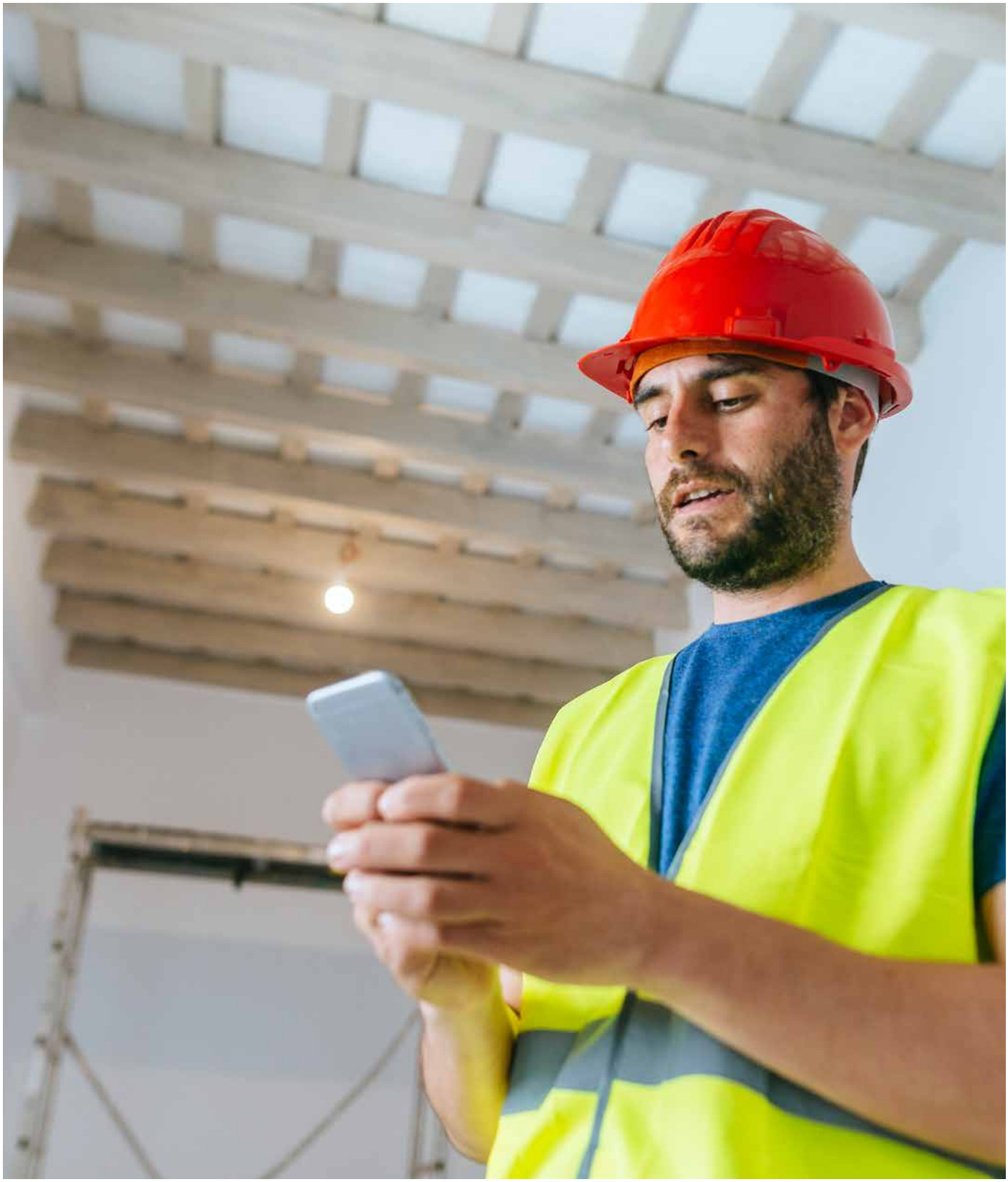
Workstation

- Workplace installations must be flexible – with ***WINSTA®***, the ideal connections are a given.
- ***WINSTA®*** system partners offer a comprehensive range of functional, design-optimized complementary products.

WINSTA® in the Context of the Construction Product Regulation (CPR)

Background

Cables that are permanently installed in structures fall under the European CPR. They are classified into uniform fire classes according to their reaction to fire. The requirements are described in the harmonized standard hEN 50575:2014. Device connection cables that are directly connected to a load are an exception. All other cables must bear a CE conformance mark according to the CPR and a declaration of performance.



What does this mean for the *WINSTA*® Pluggable Connection System?

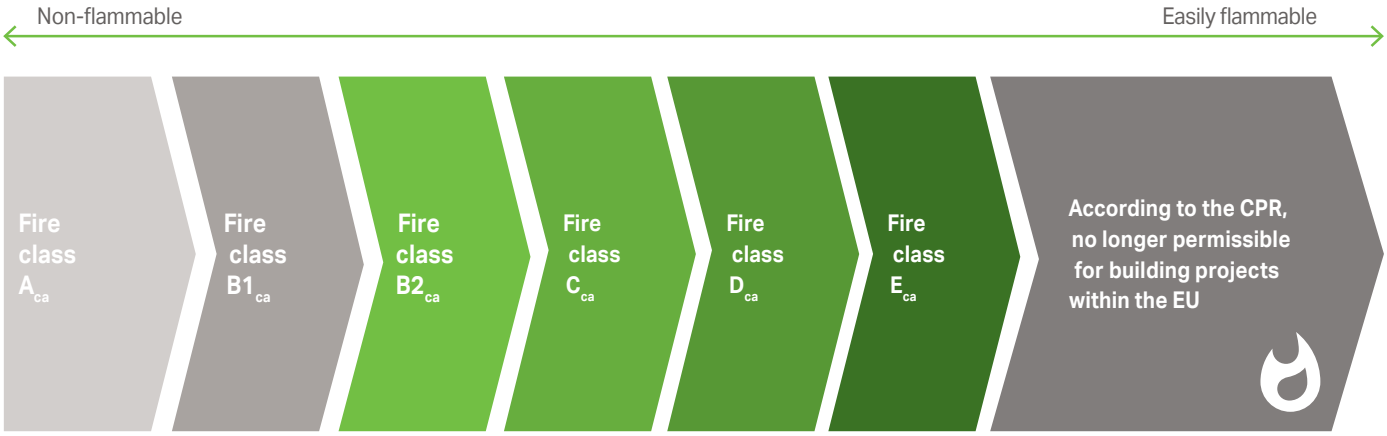
WAGO supplies cable assemblies within the ***WINSTA***® product range. These cable assemblies are construction product-compliant, as they are designed according to standards for permanent installation in buildings, but are not covered by a uniform standard under the CPR. The scope of hEN 50575 only includes raw cables, not finished cables or cable assemblies. Thus, WAGO itself cannot issue any CE marking according to the CPR or declaration of performance!

What safety does WAGO offer in the event of fire?

The numbers from various statistics clearly show that one of the most common causes of death in fires is exposure to toxic gases and smoke. To counteract this, we have offered halogen-free cable types for the ***WINSTA***® System for some time.

Always on the safe side – with *WINSTA*®!

The cables in the catalog range now already meet the requirements of the CPR and have been tested accordingly. Articles of higher fire classes ($B2_{ca}$ and C_{ca}) are available on our E-Shop.



FAQ – Planning

Which room installation applications can be realized with the *WINSTA*® plug-in convenience?

WINSTA® means versatility for the widest range of applications. With the diverse product types, it is possible to install the energy supply for lights with widely varying switching types through cable ducts or underfloor systems via floor boxes, as well as dimming and shade control via pluggable installation connectors. Integrating bus systems such as DALI for dimming functions or SMI to control shading is uncomplicated; the same applies to the necessary sensors.

Is *WINSTA*® intended for applications in open or easily accessible areas?

Specialty products are available for this application (see page 230).

How flexible is the *WINSTA*® System when it comes to design/installation changes?

In functional buildings, modules can be added to the ***WINSTA***® System at any time. If the intended room use changes, the installation is adapted or retrofitted quickly and error-free. With Plug & Play connection, both pre-assembled wiring and loads can be exchanged with just a few deft moves. All ***WINSTA***® products can be reused to conserve resources.

Is the *WINSTA*® System maintenance-free?

Of course; the ***WINSTA***® Pluggable Connection System is based on maintenance-free spring pressure connection technology. Many of the components feature Push-in CAGE CLAMP® for conductor terminations; thus, for example, even solid conductors can be simply pushed into unit.

Does WAGO recommend which coding and color to use for which application?

Due to the different applications, WAGO recommends using specific mechanical codings and colors:

Application	Coding	Connector Color
General network applications	A	Black, white
EPD or UPS applications	P	Red
Controlled lighting, DALI	I	Blue
Emergency power applications	L	Dark gray
Switch function	S	Brown
Control or other mains applications	B	Gray
Controlled shading/dimming; e.g., via SMI	B	Pink
Low voltages	B	Light green

Are distribution boxes with *WINSTA*® components available?

Yes. WAGO offers a variety of distribution boxes with different functions, like DALI Bus, KNX applications, sunblind control and more – completely ready for connection with ***WINSTA***® Pluggable Connectors.

Where can *WINSTA*® be installed?

Essentially, the provisions outlined in VDE 0100 must always be observed. Pluggable installation connectors like ***WINSTA***®, approved per IEC 61535, find use in prefabricated buildings, hollow spaces such as double floors or suspended ceilings; cable carrying, routing or ducting systems; in showrooms, separation walls and all similar applications.

FAQ – Service

How does WAGO support me during the design of building installation and automation?

WAGO's project service offers a very high level of support to help you through even the most complex and demanding installations. You can contact the project service by email under: info.projektplanung.de@wago.com.

Are there planning templates to get started?

WAGO has compiled planning examples for some applications; they are presented in our planning brochure with an appropriate parts list (www.wago.com/winsta). With ***WINSTA***®, these resources provide solid orientation that can be easily adapted to the individual project requirements – especially in the start phase.

FAQ – Installation

Is the ***WINSTA***® Connection System truly a universal solution for building applications that allows devices with conventional field-wiring terminal blocks to be integrated into the installation?

In addition to cooperation with system partners who have access to their products via a direct ***WINSTA***® interface, the ***WINSTA***® System offers flexible and independent solutions such as connecting cables with open cable ends for pre-assembly on site. This means devices and loads can always be integrated into a ***WINSTA***® installation.

What key advantages does ***WINSTA***® offer for wiring?

Using the ***WINSTA***® Pluggable Connection System cuts on-site connection time for installers to an absolute minimum. Thus, whenever a project calls for electrical installation, the wiring is simple, fast and on time, every time. ***WINSTA***® also offers a multitude of mechanical codings and colors to protect against mismating that virtually eliminate installation errors.

Who is permitted to install products from the ***WINSTA***® Series on the construction site?

Only qualified electricians or appropriately instructed personnel may install pluggable installation connectors from the ***WINSTA***® Series.

What needs to be considered for the transition from NYM cables for permanent installation to pluggable installation using flexible cables?

Flexible cables must be protected against excessive loads from tension, pressure, abrasion, twisting and kinking, particularly at device inlets and the transition point to the fixed installation. With ***WINSTA***® Connectors, the transition point from NYM to ***WINSTA***® can be defined and connected directly on site. This transition area must be correspondingly secured and protected from excessive bending stress. In addition, all terminals must be protected against shear and tensile stress.

FAQ – Security

How does *WINSTA*® accommodate differentiating/identifying individual power circuits?

Of course, flexible marking is part of a flexible connector system. This is why ***WINSTA***® also offers custom solutions. Components from the ***WINSTA***® MINI special and ***WINSTA***® MIDI special families can be variably printed, to explicitly identify the specific power circuit they are assigned to. With clever accessories, further possibilities emerge.

Are the pluggable connectors secure and protected against accidental disconnection?

All products intended for permanent installation (e.g., distribution boxes, snap-in variants, PCB variants) are fitted with locking latches at the factory, so every plugged connection is securely locked. Locking latches can be attached to pre-assembled cables for "flying leads" at any time.

Is *WINSTA*® suitable for outdoor installations?

The ***WINSTA***® System is approved up to protection class IP20; thus, ***WINSTA***® shall not be used for outdoor installations.

Is the *WINSTA*® System protected against accidental contact?

All components of the ***WINSTA***® System are protected against accidental contact, providing maximum safety.

FAQ – Regulations, Standards and Guidelines

To which regulations must I orient myself for installations with *WINSTA*®?

WINSTA® is primarily approved per IEC 61535 (VDE 0606-200) – the product standard for pluggable installation connectors intended for permanent connection in mounted installations When installing ***WINSTA***® products, the DIN VDE 0100 specifications must be followed.

Can *WINSTA*® be used in low-voltage range applications?

Compliance of ***WINSTA***® products with the low-voltage directive is verified by the CE approval.

What must be accounted for when connecting a cable with reduced cross section to an underfloor box (e.g., via IDC tap-off module)?

The minimum cable cross section must be adapted to the connected load. More protection measures are only required if the cable with the reduced cross section is longer than 3 m; see VDE 0100 – 430.

Can two electrical circuits (even those with different voltages) be routed in one connector/cable?

According to VDE 0100 Part 520, this is acceptable when the connector, or all of the wire insulation present in the cable line is rated for the maximum voltage applied.

What needs to be considered for an installation requiring increased fire protection?

When using pluggable connector systems, the conduit selected has a significant impact on building protection, thus safeguarding the inhabitants and users. Cables and conduits fall under the Construction Product Regulation (CPR). Their performance in the event of fire is described by the fire class feature. In the ***WINSTA***® product range, WAGO also carries cables suited for higher fire classes ($B2_{ca}$ and C_{ca}) that are available in our eShop.

WAGO Pluggable Connection System *WINSTA*® MINI

PUSH-IN CAGE CLAMP®

WAGO Pluggable Connection System *WINSTA*® MINI ▸ 890, 891 Series
1.5 mm² / 16 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

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Pluggable Connectors, 890 Series	
2-pole	28
3-pole	50
4-pole	70
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Snap-In Device Connectors, 890 Series	
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5-pole	92

Pluggable PCB Connectors, 890 Series	
2-pole	34
3-pole	56
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Distribution Connectors, 890 Series	
2-pole	38
3-pole	60
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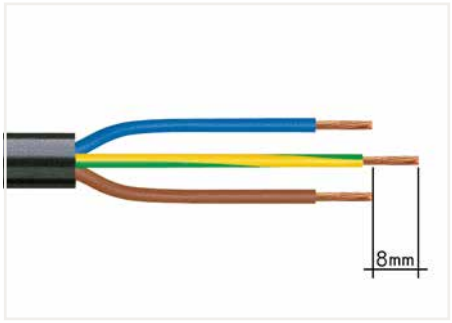
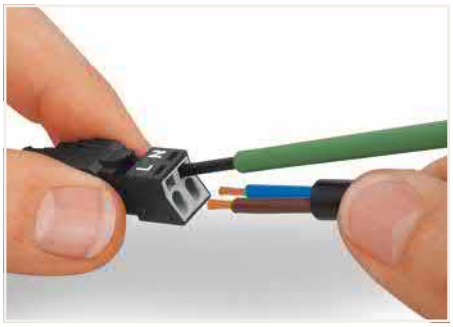
Cable Assemblies, 891 Series	
2-pole	42
3-pole	64
4-pole	84
5-pole	104

WINSTA® MINI ▸ 890, 891 Series
Installation

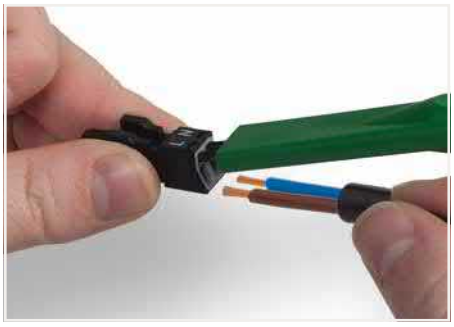


1. Strip length, outer insulation = x mm ❶
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

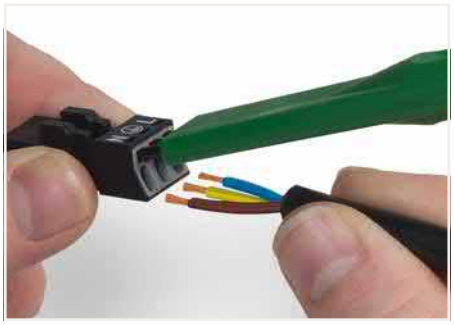


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.
Terminate solid conductors by simply pushing them in.

Latch wired connector onto the base of the strain relief housing.



To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.



To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.

Secure the mounting plate via pins.

The distribution connectors snap together when attached to the mounting plate.

All connectors for mounted installations (snap-in versions, pluggable PCB connectors, distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for “flying leads” (plug/socket).

❶ Strip length, outer insulation: 2-pole = 32 mm, 3-pole = 40 mm, 4- and 5-pole = 45 mm

Push down strain relief clamp by hand.

Push down strain relief clamp via 2.5 mm screwdriver alternately on both sides.

Latch the top of the strain relief housing.

The printed marking of the connector is clearly visible in the openings of the strain relief housing.

Connector with shield termination

Apply the shield to the rubber cable.
Strip length, outer insulation = 40 mm
Shield length = 8 mm

Push the shield connecting plate into the connector until fully inserted.

First insert the wired connector into strain relief housing, then snap clamp and cover.

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data			
Coding	A / I		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	14 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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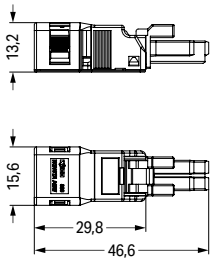
Additional information, see “Technical Section”

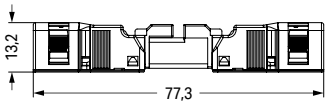
Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2 ▸ Cable diameter: 3.8 … 8.2 mm

Female connector/socket ▸ Strip length: 17.5 mm

Color	Coding	Marking	Item No.	PU
● black	A	L N	890-202/342-000	50

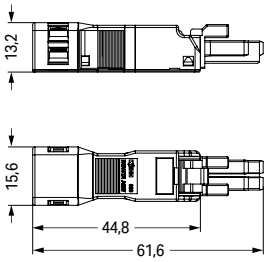


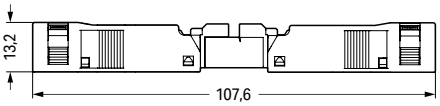


Overall length when mated

Female connector/socket ▸ Strip length: 32 mm

Color	Coding	Marking	Item No.	PU
● black	A	L N	890-102	50
○ white	A	L N	890-122	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 2

Item No.	PU
890-382	1

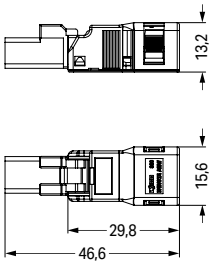
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

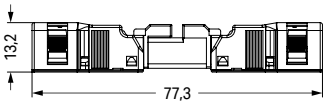
Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2 ▸ Cable diameter: 3.8 … 8.2 mm

1

Male connector/plug ▸ Strip length: 17.5 mm

Color	Coding	Marking	Item No.	PU
● black	A	L N	890-212/342-000	50

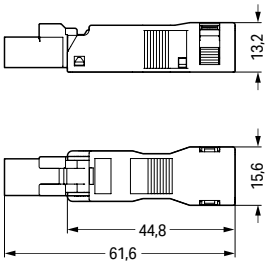


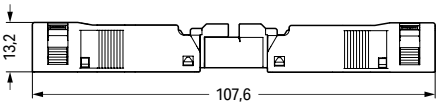


Overall length when mated

Male connector/plug ▸ Strip length: 32 mm

Color	Coding	Marking	Item No.	PU
● black	A	L N	890-112	50
○ white	A	L N	890-132	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 2

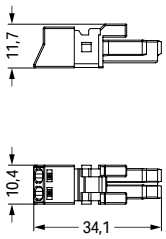
Item No.	PU
890-382	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

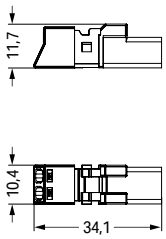
Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L N	890-202	50
white	A	L N	890-222	50
blue	I	+ -	890-1102	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L N	890-212	50
white	A	L N	890-232	50
blue	I	+ -	890-1112	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 2

	Item No.	PU
	890-382	1

Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length: 32 mm

Color	Item No.	PU
black	890-502	50
white	890-512	50

Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length: 17.5 mm

Color	Item No.	PU
black	890-502/342-000	50
white	890-512/342-000	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

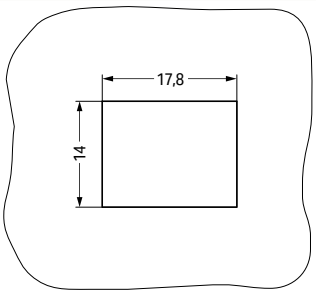


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data			
Coding	A / I		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	14 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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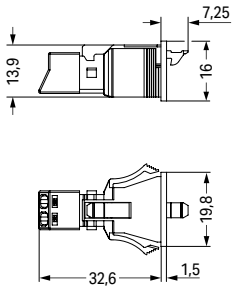
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

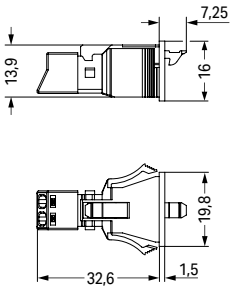
Female connector/socket

Color	Coding	Marking	Item No.	PU (SPU)
black	A	L N	890-702	50 (50)
white	A	L N	890-722	50 (50)
blue	I	+ -	890-2102	50 (50)



Male connector/plug

Color	Coding	Marking	Item No.	PU (SPU)
black	A	L N	890-712	50 (50)
white	A	L N	890-732	50 (50)
blue	I	+ -	890-2112	50 (50)



Accessories; for all products on this page

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 2

Item No.	PU
890-382	1

Lockout cap; for cutout; No. of poles: 2

Color	Item No.	PU
black	890-642	100
white	890-692	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data			
Coding	A / I		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	14 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

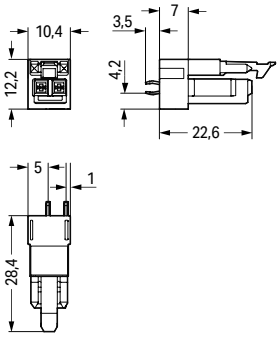
Additional information, see “Technical Section”

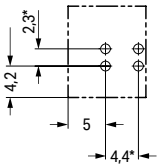
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L N	890-802	100
white	A	L N	890-822	100
blue	I	+ -	890-3102	100

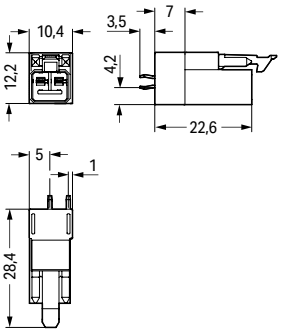


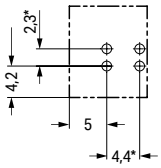


* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L N	890-812	100
white	A	L N	890-832	100
blue	I	+ -	890-3112	100





* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

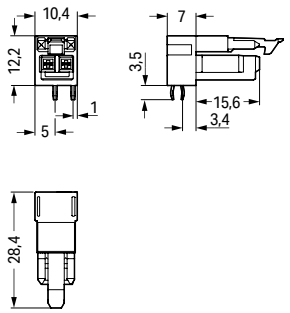
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

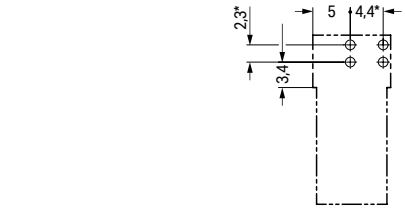
Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

1

Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L N	890-802/011-000	100
white	A	L N	890-822/011-000	100
blue	I	+ -	890-3102/011-000	100

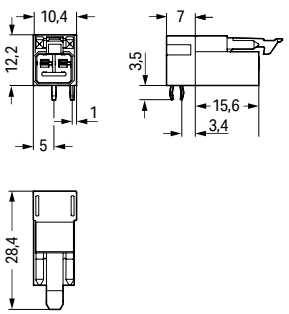


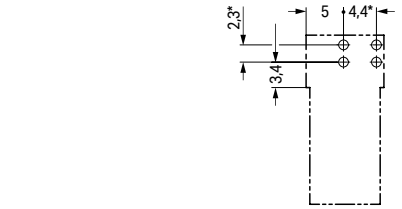


* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L N	890-812/011-000	100
white	A	L N	890-832/011-000	100
blue	I	+ -	890-3112/011-000	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data			
Coding	**A / I**		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	14 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

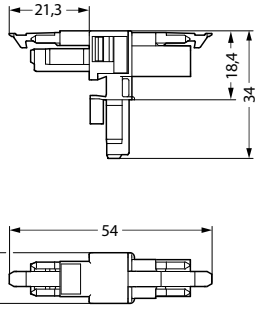
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

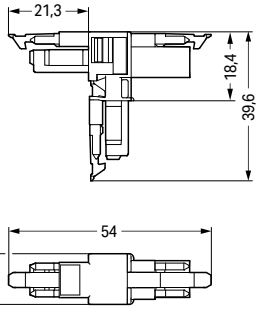
T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	L N	890-1606	25
white	A	L N	890-1656	25
blue	I	+ -	890-1617	25



T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
black	A	L N	890-1615	25
white	A	L N	890-1665	25
blue	I	+ -	890-1620	25

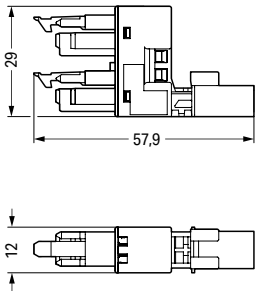


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

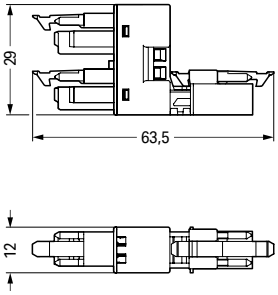
h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
● black	A	L N	890-1634	50
○ white	A	L N	890-1684	50



h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Color	Coding	Marking	Item No.	PU
● black	A	L N	890-1636	50
○ white	A	L N	890-1686	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 2

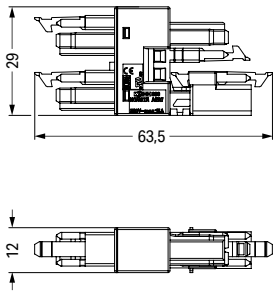
Color	Item No.	PU
● black	890-1622	50
○ white	890-1672	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 2

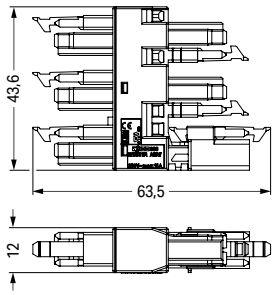
Distribution connector, 3-way

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1904	50



Distribution connector, 5-way

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1907	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 2

Color	Item No.	PU
black	890-1622	50
white	890-1672	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series
No. of poles: 2 ▸ Protection class: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data						
Coding	**A**			**A / I**		
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	14 A			14 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

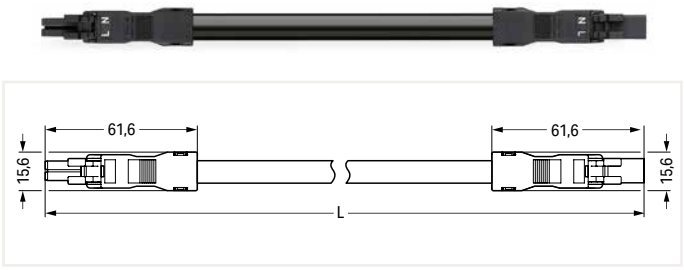
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

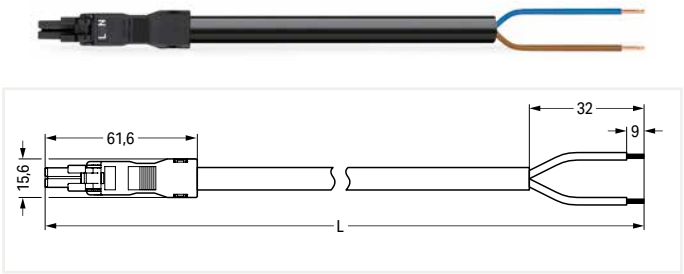
Additional information, see “Technical Section”

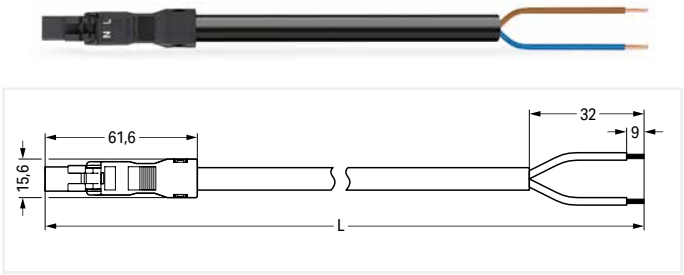
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1 mm² ▸ Coding: A ▸ Marking: L N ▸ PVC ▸ Cable diameter: 5.9 … 7.5 mm ▸ H05VV-F 2x1







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/005-101	891-8992/005-102		1
2 m	891-8992/005-201	891-8992/005-202		1
3 m	891-8992/005-301	891-8992/005-302		1
4 m	891-8992/005-401	891-8992/005-402		1
5 m	891-8992/005-501	891-8992/005-502		1
6 m	891-8992/005-601	891-8992/005-602		1
7 m	891-8992/005-701	891-8992/005-702		1
8 m	891-8992/005-801	891-8992/005-802		1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/105-101	891-8992/105-102		1
2 m	891-8992/105-201	891-8992/105-202		1
3 m	891-8992/105-301	891-8992/105-302		1
4 m	891-8992/105-401	891-8992/105-402		1
5 m	891-8992/105-501	891-8992/105-502		1
6 m	891-8992/105-601	891-8992/105-602		1
7 m	891-8992/105-701	891-8992/105-702		1
8 m	891-8992/105-801	891-8992/105-802		1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/205-101	891-8992/205-102		1
2 m	891-8992/205-201	891-8992/205-202		1
3 m	891-8992/205-301	891-8992/205-302		1
4 m	891-8992/205-401	891-8992/205-402		1
5 m	891-8992/205-501	891-8992/205-502		1
6 m	891-8992/205-601	891-8992/205-602		1
7 m	891-8992/205-701	891-8992/205-702		1
8 m	891-8992/205-801	891-8992/205-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

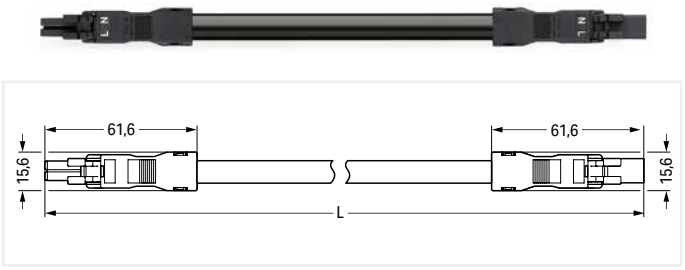
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

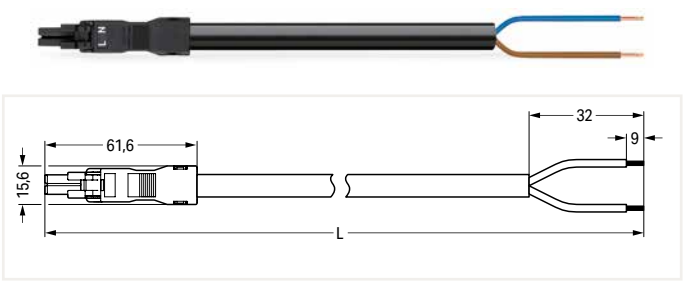
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

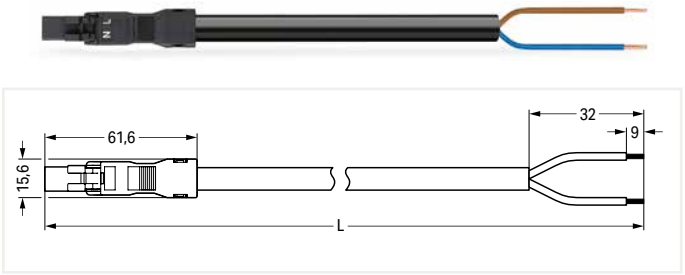
Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1 mm² ▸ Coding: A ▸ Marking: L N ▸ Halogen-free ▸ Cable diameter: 5.9 … 7.5 mm ▸ H05Z1Z1-F 2x1

1







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/015-101	891-8992/015-102		1
2 m	891-8992/015-201	891-8992/015-202		1
3 m	891-8992/015-301	891-8992/015-302		1
4 m	891-8992/015-401	891-8992/015-402		1
5 m	891-8992/015-501	891-8992/015-502		1
6 m	891-8992/015-601	891-8992/015-602		1
7 m	891-8992/015-701	891-8992/015-702		1
8 m	891-8992/015-801	891-8992/015-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/115-101	891-8992/115-102		1
2 m	891-8992/115-201	891-8992/115-202		1
3 m	891-8992/115-301	891-8992/115-302		1
4 m	891-8992/115-401	891-8992/115-402		1
5 m	891-8992/115-501	891-8992/115-502		1
6 m	891-8992/115-601	891-8992/115-602		1
7 m	891-8992/115-701	891-8992/115-702		1
8 m	891-8992/115-801	891-8992/115-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/215-101	891-8992/215-102		1
2 m	891-8992/215-201	891-8992/215-202		1
3 m	891-8992/215-301	891-8992/215-302		1
4 m	891-8992/215-401	891-8992/215-402		1
5 m	891-8992/215-501	891-8992/215-502		1
6 m	891-8992/215-601	891-8992/215-602		1
7 m	891-8992/215-701	891-8992/215-702		1
8 m	891-8992/215-801	891-8992/215-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

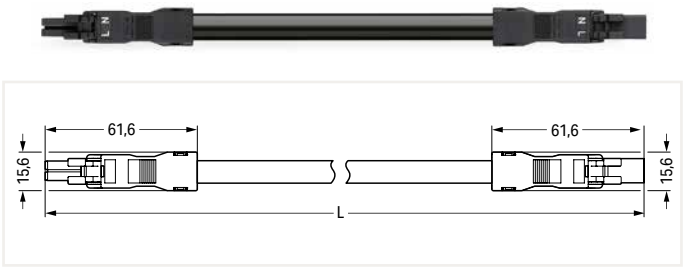
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

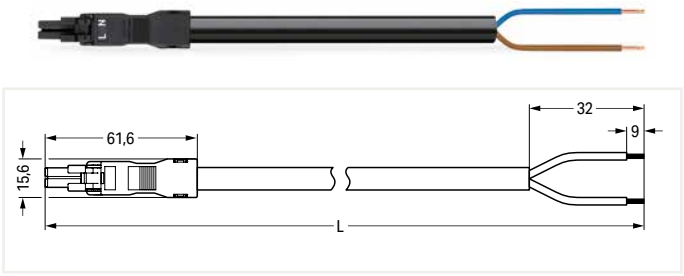
Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L N ▸ PVC ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5



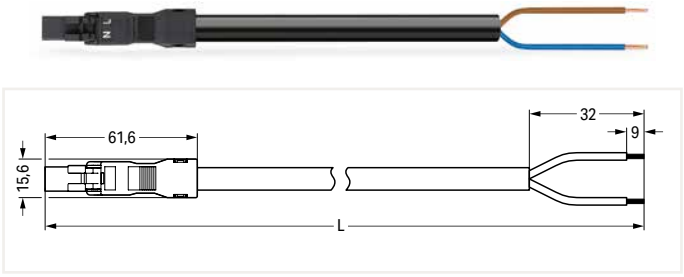
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/006-101	891-8992/006-102		1
2 m	891-8992/006-201	891-8992/006-202		1
3 m	891-8992/006-301	891-8992/006-302		1
4 m	891-8992/006-401	891-8992/006-402		1
5 m	891-8992/006-501	891-8992/006-502		1
6 m	891-8992/006-601	891-8992/006-602		1
7 m	891-8992/006-701	891-8992/006-702		1
8 m	891-8992/006-801	891-8992/006-802		1



Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/106-101	891-8992/106-102		1
2 m	891-8992/106-201	891-8992/106-202		1
3 m	891-8992/106-301	891-8992/106-302		1
4 m	891-8992/106-401	891-8992/106-402		1
5 m	891-8992/106-501	891-8992/106-502		1
6 m	891-8992/106-601	891-8992/106-602		1
7 m	891-8992/106-701	891-8992/106-702		1
8 m	891-8992/106-801	891-8992/106-802		1



Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/206-101	891-8992/206-102		1
2 m	891-8992/206-201	891-8992/206-202		1
3 m	891-8992/206-301	891-8992/206-302		1
4 m	891-8992/206-401	891-8992/206-402		1
5 m	891-8992/206-501	891-8992/206-502		1
6 m	891-8992/206-601	891-8992/206-602		1
7 m	891-8992/206-701	891-8992/206-702		1
8 m	891-8992/206-801	891-8992/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

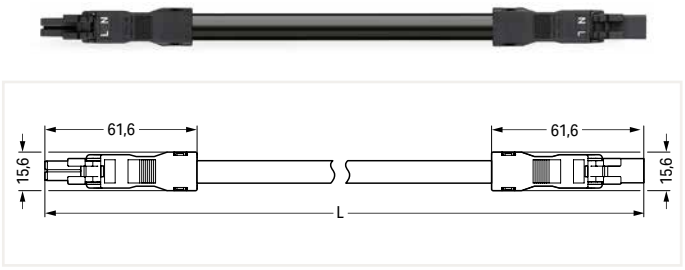
Mounting adapter; for 2- to 5-pole for flying leads

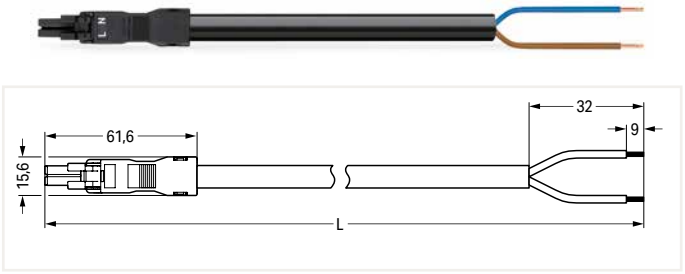
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

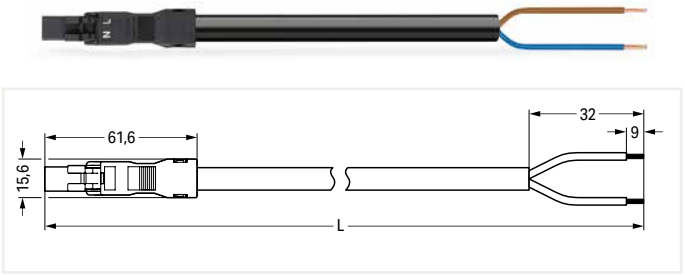
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L N ▸ Halogen-free ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/016-101	891-8992/016-102		1
2 m	891-8992/016-201	891-8992/016-202		1
3 m	891-8992/016-301	891-8992/016-302		1
4 m	891-8992/016-401	891-8992/016-402		1
5 m	891-8992/016-501	891-8992/016-502		1
6 m	891-8992/016-601	891-8992/016-602		1
7 m	891-8992/016-701	891-8992/016-702		1
8 m	891-8992/016-801	891-8992/016-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/116-101	891-8992/116-102		1
2 m	891-8992/116-201	891-8992/116-202		1
3 m	891-8992/116-301	891-8992/116-302		1
4 m	891-8992/116-401	891-8992/116-402		1
5 m	891-8992/116-501	891-8992/116-502		1
6 m	891-8992/116-601	891-8992/116-602		1
7 m	891-8992/116-701	891-8992/116-702		1
8 m	891-8992/116-801	891-8992/116-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8992/216-101	891-8992/216-102		1
2 m	891-8992/216-201	891-8992/216-202		1
3 m	891-8992/216-301	891-8992/216-302		1
4 m	891-8992/216-401	891-8992/216-402		1
5 m	891-8992/216-501	891-8992/216-502		1
6 m	891-8992/216-601	891-8992/216-602		1
7 m	891-8992/216-701	891-8992/216-702		1
8 m	891-8992/216-801	891-8992/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

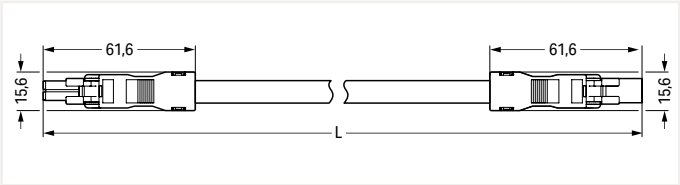
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

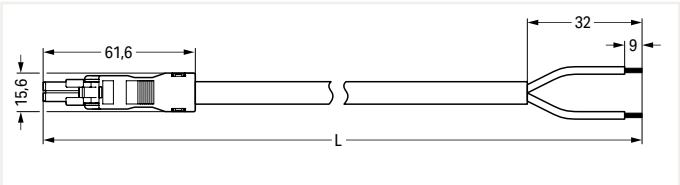
Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

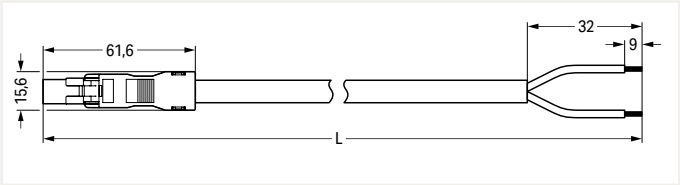
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: I ▸ Marking: + - ▸ PVC ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8982/006-101	891-8982/006-102		1
2 m	891-8982/006-201	891-8982/006-202		1
3 m	891-8982/006-301	891-8982/006-302		1
4 m	891-8982/006-401	891-8982/006-402		1
5 m	891-8982/006-501	891-8982/006-502		1
6 m	891-8982/006-601	891-8982/006-602		1
7 m	891-8982/006-701	891-8982/006-702		1
8 m	891-8982/006-801	891-8982/006-802		1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8982/106-101	891-8982/106-102		1
2 m	891-8982/106-201	891-8982/106-202		1
3 m	891-8982/106-301	891-8982/106-302		1
4 m	891-8982/106-401	891-8982/106-402		1
5 m	891-8982/106-501	891-8982/106-502		1
6 m	891-8982/106-601	891-8982/106-602		1
7 m	891-8982/106-701	891-8982/106-702		1
8 m	891-8982/106-801	891-8982/106-802		1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8982/206-101	891-8982/206-102		1
2 m	891-8982/206-201	891-8982/206-202		1
3 m	891-8982/206-301	891-8982/206-302		1
4 m	891-8982/206-401	891-8982/206-402		1
5 m	891-8982/206-501	891-8982/206-502		1
6 m	891-8982/206-601	891-8982/206-602		1
7 m	891-8982/206-701	891-8982/206-702		1
8 m	891-8982/206-801	891-8982/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

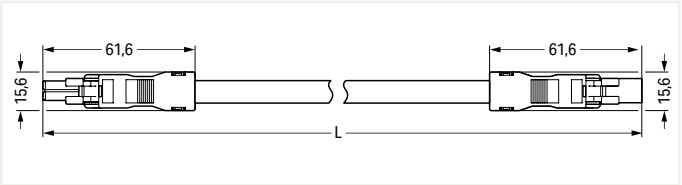
Mounting adapter; for 2- to 5-pole for flying leads

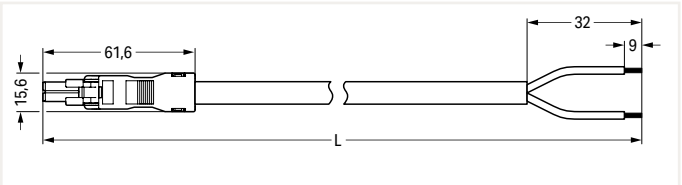
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

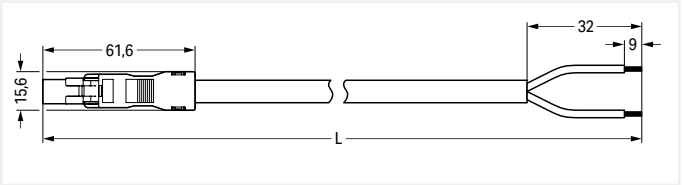
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: I ▸ Marking: + - ▸ Halogen-free ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8982/016-101	891-8982/016-102		1
2 m	891-8982/016-201	891-8982/016-202		1
3 m	891-8982/016-301	891-8982/016-302		1
4 m	891-8982/016-401	891-8982/016-402		1
5 m	891-8982/016-501	891-8982/016-502		1
6 m	891-8982/016-601	891-8982/016-602		1
7 m	891-8982/016-701	891-8982/016-702		1
8 m	891-8982/016-801	891-8982/016-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8982/116-101	891-8982/116-102		1
2 m	891-8982/116-201	891-8982/116-202		1
3 m	891-8982/116-301	891-8982/116-302		1
4 m	891-8982/116-401	891-8982/116-402		1
5 m	891-8982/116-501	891-8982/116-502		1
6 m	891-8982/116-601	891-8982/116-602		1
7 m	891-8982/116-701	891-8982/116-702		1
8 m	891-8982/116-801	891-8982/116-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8982/216-101	891-8982/216-102		1
2 m	891-8982/216-201	891-8982/216-202		1
3 m	891-8982/216-301	891-8982/216-302		1
4 m	891-8982/216-401	891-8982/216-402		1
5 m	891-8982/216-501	891-8982/216-502		1
6 m	891-8982/216-601	891-8982/216-602		1
7 m	891-8982/216-701	891-8982/216-702		1
8 m	891-8982/216-801	891-8982/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	14 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

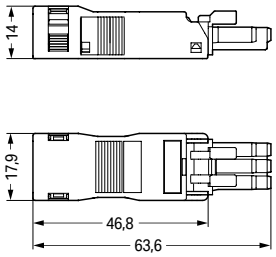
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

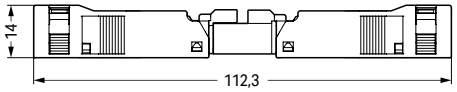
Shield connection	Page 481
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3 ▸ Cable diameter: 4.5 … 10 mm

Female connector/socket ▸ Strip length: 40 mm

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-103	50
white	A	L ⏚ N	890-123	50

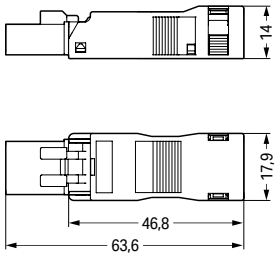


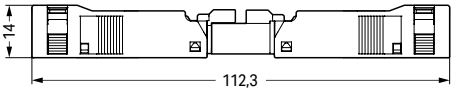


Overall length when mated

Male connector/plug ▸ Strip length: 40 mm

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-113	50
white	A	L ⏚ N	890-133	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 3

	Item No.	PU
	890-383	1

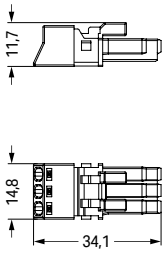
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

1

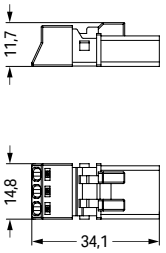
Female connector/socket

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	890-203	50
○ white	A	L ⏚ N	890-223	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	890-213	50
○ white	A	L ⏚ N	890-233	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 3

	Item No.	PU
	890-383	1

Strain relief housing; Connectable sheathed cable diameter: 4.5 … 10 mm; Strip length: 40 mm

Color	Item No.	PU
● black	890-503	50
○ white	890-513	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

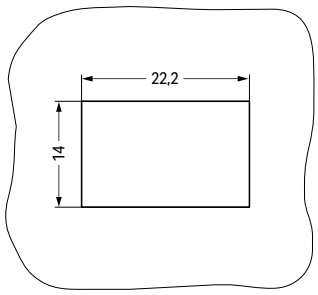


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	14 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Tools Page 506

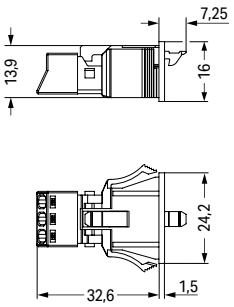
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

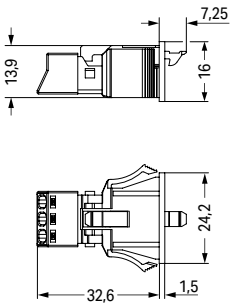
Female connector/socket

Color	Coding	Marking	Item No.	PU (SPU)
● black	A	L ⏚ N	890-703	50 (50)
○ white	A	L ⏚ N	890-723	50 (50)



Male connector/plug

Color	Coding	Marking	Item No.	PU (SPU)
● black	A	L ⏚ N	890-713	50 (50)
○ white	A	L ⏚ N	890-733	50 (50)



Accessories; for all products on this page

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 3

Item No.	PU
890-383	1

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
● black	890-643	100
○ white	890-693	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data				
Coding	A			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

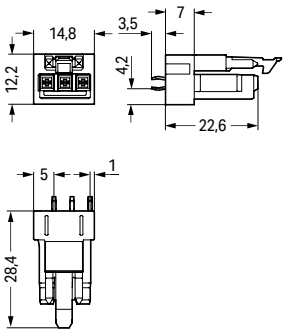
Additional information, see “Technical Section”

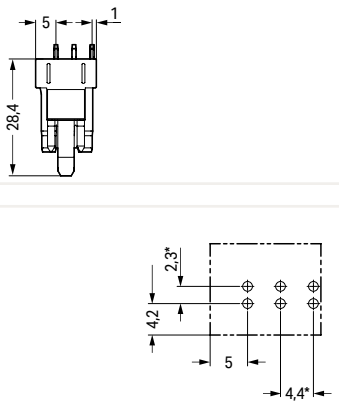
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-803	100
white	A	L ⏚ N	890-823	100

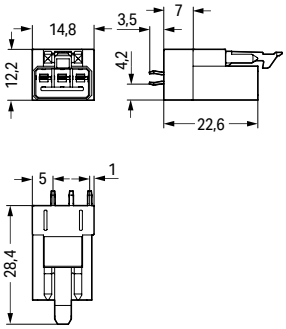


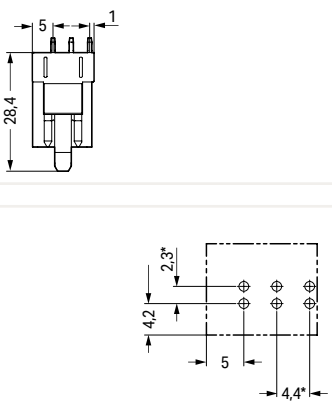


* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-813	100
white	A	L ⏚ N	890-833	100





* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

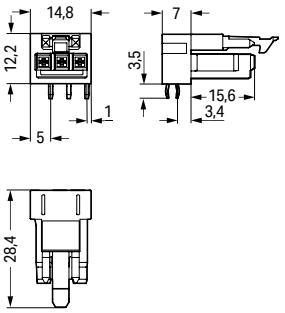
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

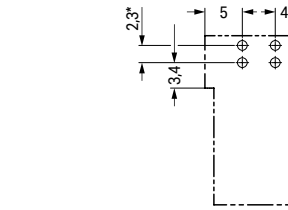
Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

1

Angled ▸ Female connector/socket

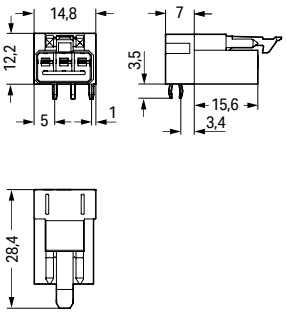
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-803/011-000	100
white	A	L ⏚ N	890-823/011-000	100

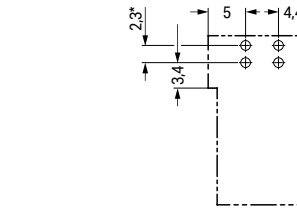




Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-813/011-000	100
white	A	L ⏚ N	890-833/011-000	100





PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data				
Coding	A			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

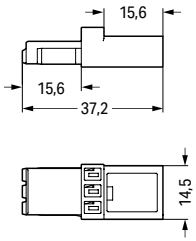
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

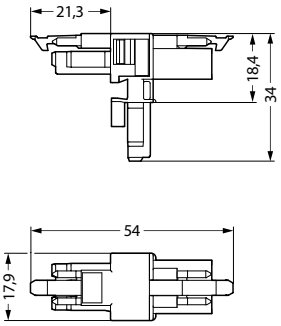
Intermediate coupler

Color	Coding	Aufdruck	Item No.	PU
black	A		890-603	50
	A		890-653	50



T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-606	25
white	A	L ⏚ N	890-656	25



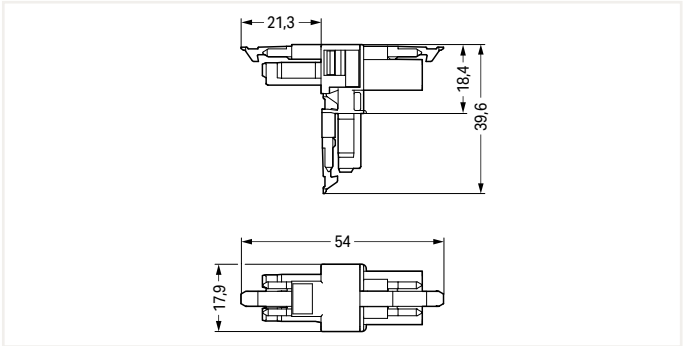
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

1

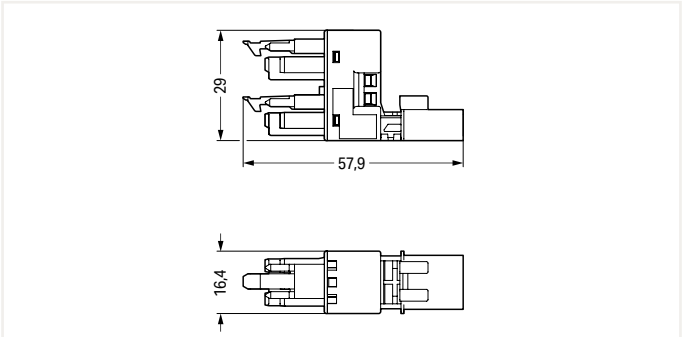
T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-615	25
white	A	L ⏚ N	890-665	25



h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-634	50
white	A	L ⏚ N	890-684	50



Item-Specific Accessories

Mounting plate; for distribution connector; No. of poles: 3

Color	Item No.	PU
black	890-623	50
white	890-673	50

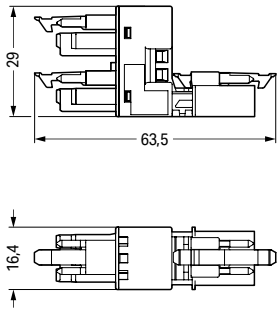
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 3

h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Fig. similar

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	890-636	50
○ white	A	L ⏚ N	890-686	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 3

Color	Item No.	PU
● black	890-623	50
○ white	890-673	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: A ▸ Marking: L ⏚ N

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data						
Coding	**A**			**A**		
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	14 A			14 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

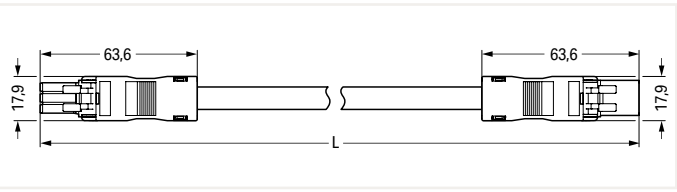
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

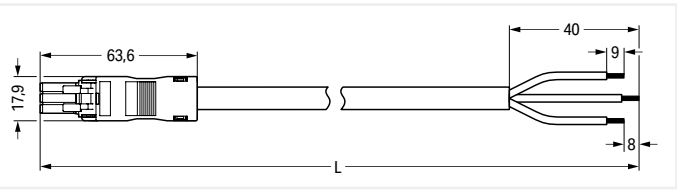
Additional information, see “Technical Section”

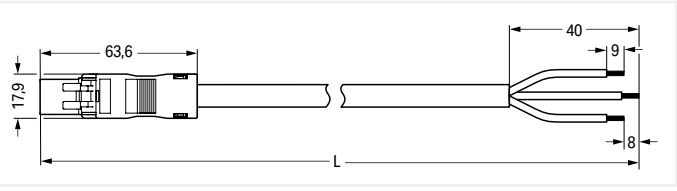
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: A ▸ Marking: L ⏚ N ▸ 1 mm² ▸ PVC ▸ Cable diameter: 6.3 … 8 mm ▸ H05VV-F 3G1







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/005-101	891-8993/005-102		1
2 m	891-8993/005-201	891-8993/005-202		1
3 m	891-8993/005-301	891-8993/005-302		1
4 m	891-8993/005-401	891-8993/005-402		1
5 m	891-8993/005-501	891-8993/005-502		1
6 m	891-8993/005-601	891-8993/005-602		1
7 m	891-8993/005-701	891-8993/005-702		1
8 m	891-8993/005-801	891-8993/005-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/105-101	891-8993/105-102		1
2 m	891-8993/105-201	891-8993/105-202		1
3 m	891-8993/105-301	891-8993/105-302		1
4 m	891-8993/105-401	891-8993/105-402		1
5 m	891-8993/105-501	891-8993/105-502		1
6 m	891-8993/105-601	891-8993/105-602		1
7 m	891-8993/105-701	891-8993/105-702		1
8 m	891-8993/105-801	891-8993/105-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/205-101	891-8993/205-102		1
2 m	891-8993/205-201	891-8993/205-202		1
3 m	891-8993/205-301	891-8993/205-302		1
4 m	891-8993/205-401	891-8993/205-402		1
5 m	891-8993/205-501	891-8993/205-502		1
6 m	891-8993/205-601	891-8993/205-602		1
7 m	891-8993/205-701	891-8993/205-702		1
8 m	891-8993/205-801	891-8993/205-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

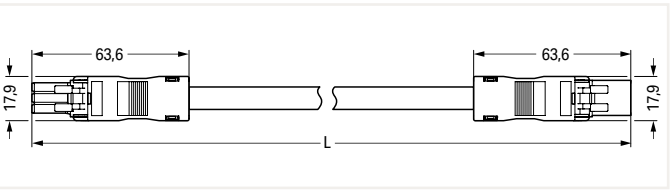
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

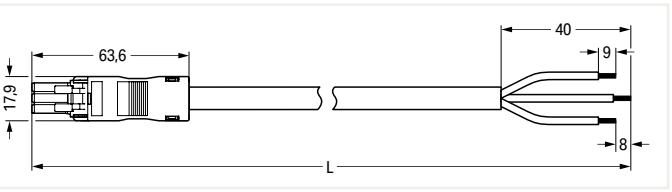
Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

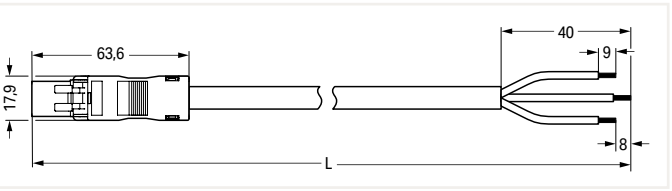
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: A ▸ Marking: L ⏚ N ▸ 1 mm² ▸ Halogen-free ▸ Cable diameter: 6.3 … 8 mm ▸ H05Z1Z1-F 3G1







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/015-101	891-8993/015-102		1
2 m	891-8993/015-201	891-8993/015-202		1
3 m	891-8993/015-301	891-8993/015-302		1
4 m	891-8993/015-401	891-8993/015-402		1
5 m	891-8993/015-501	891-8993/015-502		1
6 m	891-8993/015-601	891-8993/015-602		1
7 m	891-8993/015-701	891-8993/015-702		1
8 m	891-8993/015-801	891-8993/015-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/115-101	891-8993/115-102		1
2 m	891-8993/115-201	891-8993/115-202		1
3 m	891-8993/115-301	891-8993/115-302		1
4 m	891-8993/115-401	891-8993/115-402		1
5 m	891-8993/115-501	891-8993/115-502		1
6 m	891-8993/115-601	891-8993/115-602		1
7 m	891-8993/115-701	891-8993/115-702		1
8 m	891-8993/115-801	891-8993/115-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/215-101	891-8993/215-102		1
2 m	891-8993/215-201	891-8993/215-202		1
3 m	891-8993/215-301	891-8993/215-302		1
4 m	891-8993/215-401	891-8993/215-402		1
5 m	891-8993/215-501	891-8993/215-502		1
6 m	891-8993/215-601	891-8993/215-602		1
7 m	891-8993/215-701	891-8993/215-702		1
8 m	891-8993/215-801	891-8993/215-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

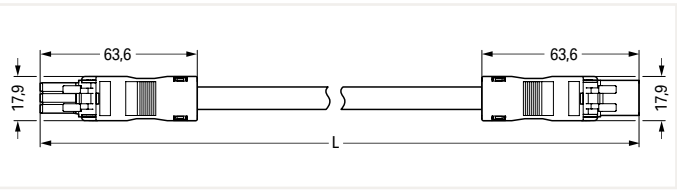
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

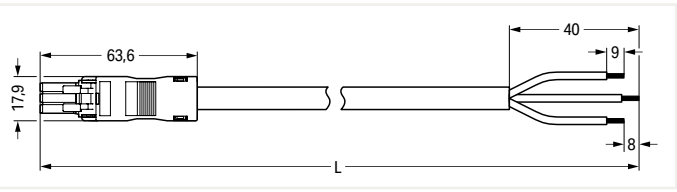
Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

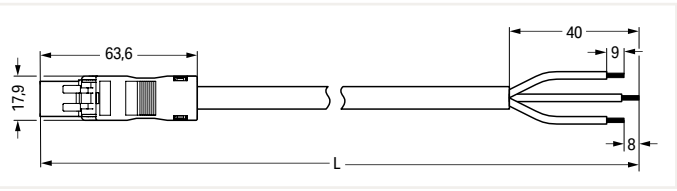
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: A ▸ Marking: L ⏚ N ▸ 1.5 mm² ▸ PVC ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/006-101	891-8993/006-102		1
2 m	891-8993/006-201	891-8993/006-202		1
3 m	891-8993/006-301	891-8993/006-302		1
4 m	891-8993/006-401	891-8993/006-402		1
5 m	891-8993/006-501	891-8993/006-502		1
6 m	891-8993/006-601	891-8993/006-602		1
7 m	891-8993/006-701	891-8993/006-702		1
8 m	891-8993/006-801	891-8993/006-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/106-101	891-8993/106-102		1
2 m	891-8993/106-201	891-8993/106-202		1
3 m	891-8993/106-301	891-8993/106-302		1
4 m	891-8993/106-401	891-8993/106-402		1
5 m	891-8993/106-501	891-8993/106-502		1
6 m	891-8993/106-601	891-8993/106-602		1
7 m	891-8993/106-701	891-8993/106-702		1
8 m	891-8993/106-801	891-8993/106-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/206-101	891-8993/206-102		1
2 m	891-8993/206-201	891-8993/206-202		1
3 m	891-8993/206-301	891-8993/206-302		1
4 m	891-8993/206-401	891-8993/206-402		1
5 m	891-8993/206-501	891-8993/206-502		1
6 m	891-8993/206-601	891-8993/206-602		1
7 m	891-8993/206-701	891-8993/206-702		1
8 m	891-8993/206-801	891-8993/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

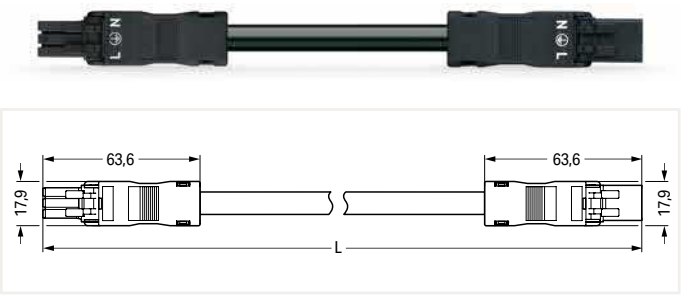
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

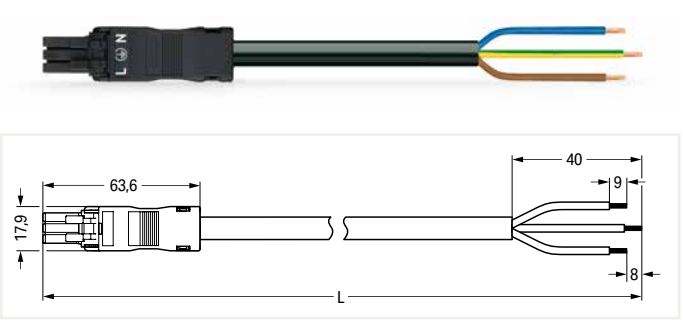
Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

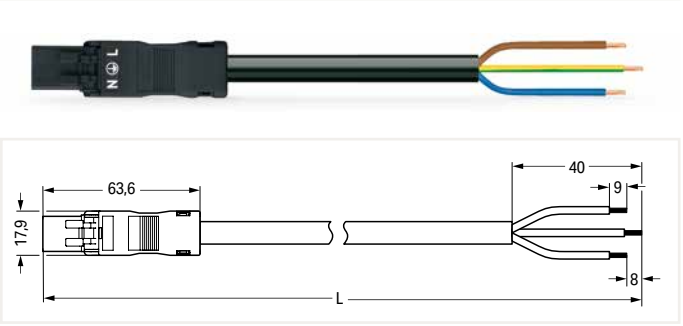
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: A ▸ Marking: L ⏚ N ▸ 1.5 mm² ▸ Halogen-free ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/016-101	891-8993/016-102		1
2 m	891-8993/016-201	891-8993/016-202		1
3 m	891-8993/016-301	891-8993/016-302		1
4 m	891-8993/016-401	891-8993/016-402		1
5 m	891-8993/016-501	891-8993/016-502		1
6 m	891-8993/016-601	891-8993/016-602		1
7 m	891-8993/016-701	891-8993/016-702		1
8 m	891-8993/016-801	891-8993/016-802		1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/116-101	891-8993/116-102		1
2 m	891-8993/116-201	891-8993/116-202		1
3 m	891-8993/116-301	891-8993/116-302		1
4 m	891-8993/116-401	891-8993/116-402		1
5 m	891-8993/116-501	891-8993/116-502		1
6 m	891-8993/116-601	891-8993/116-602		1
7 m	891-8993/116-701	891-8993/116-702		1
8 m	891-8993/116-801	891-8993/116-802		1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8993/216-101	891-8993/216-102		1
2 m	891-8993/216-201	891-8993/216-202		1
3 m	891-8993/216-301	891-8993/216-302		1
4 m	891-8993/216-401	891-8993/216-402		1
5 m	891-8993/216-501	891-8993/216-502		1
6 m	891-8993/216-601	891-8993/216-602		1
7 m	891-8993/216-701	891-8993/216-702		1
8 m	891-8993/216-801	891-8993/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	-	-
Rated impulse voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	12 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

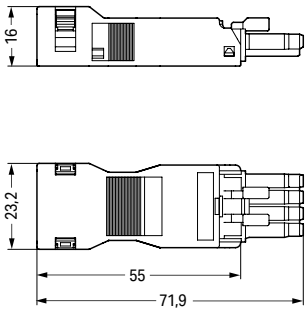
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

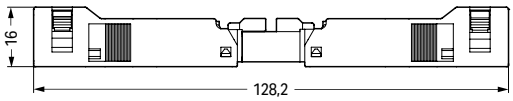
Shield connection	Page 481
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4 ▸ Cable diameter: 6.5 … 10.5 mm

Female connector/socket ▸ Strip length: 45 mm

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	890-104	50
○ white	A	N ⏚ 2|L 1|L'	890-124	50

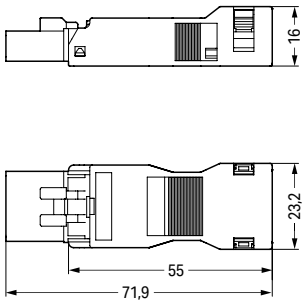


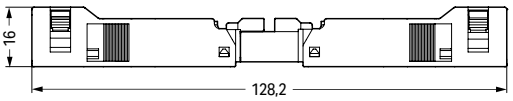


Overall length when mated

Male connector/plug ▸ Strip length: 45 mm

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	890-114	50
○ white	A	N ⏚ 2|L 1|L'	890-134	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 4

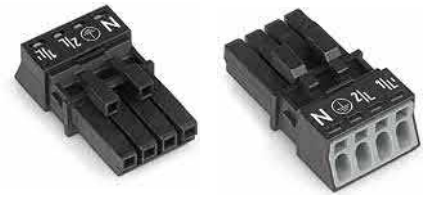
Item No.	PU
890-384	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

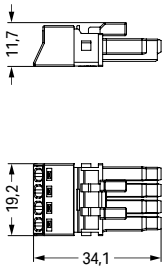
Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

1

Female connector/socket

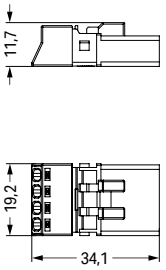


Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	890-204	50
○ white	A	N ⏚ 2|L 1|L'	890-224	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	890-214	50
○ white	A	N ⏚ 2|L 1|L'	890-234	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 4

	Item No.	PU
	890-384	1

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length: 45 mm

Color	Item No.	PU
● black	890-504	50
○ white	890-514	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

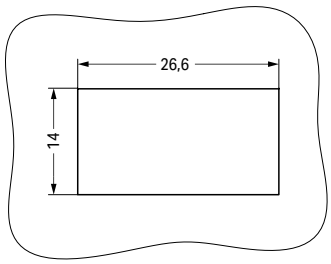


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	-	-
Rated impulse voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	12 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Tools Page 506

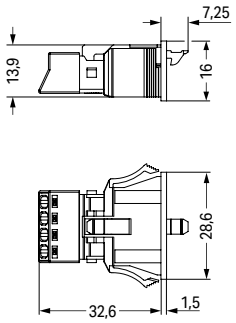
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

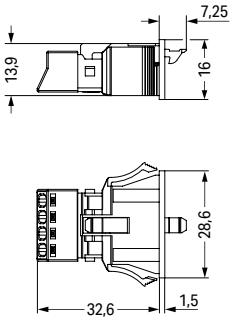
Female connector/socket

Color	Coding	Marking	Item No.	PU (SPU)
● black	A	N ⏚ 2|L 1|L'	890-704	50 (50)
○ white	A	N ⏚ 2|L 1|L'	890-724	50 (50)



Male connector/plug

Color	Coding	Marking	Item No.	PU (SPU)
● black	A	N ⏚ 2|L 1|L'	890-714	50 (50)
○ white	A	N ⏚ 2|L 1|L'	890-734	50 (50)



Accessories; for all products on this page

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 4

Item No.	PU
890-384	1

Lockout cap; for cutout; No. of poles: 4

Color	Item No.	PU
● black	890-644	100
○ white	890-694	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data				
Coding	A			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

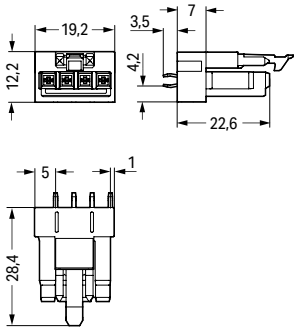
Additional information, see “Technical Section”

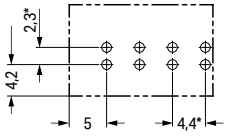
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	890-804	50
white	A	N ⏚ 2|L 1|L'	890-824	50

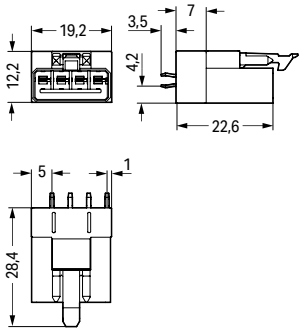


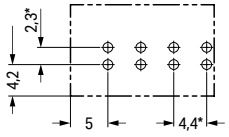


* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	890-814	50
white	A	N ⏚ 2|L 1|L'	890-834	50





* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

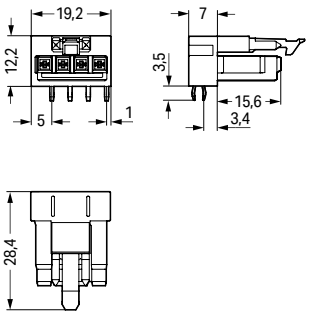
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

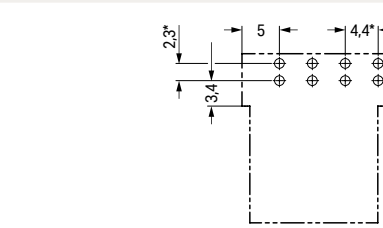
Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

1

Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	890-804/011-000	50
white	A	N ⏚ 2|L 1|L'	890-824/011-000	50

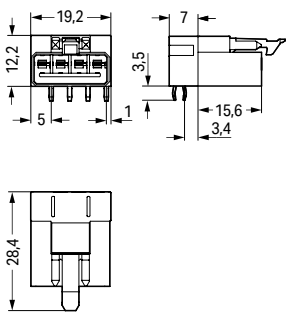


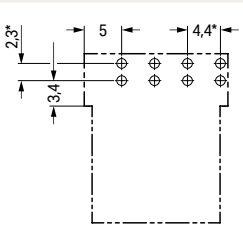


* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	890-814/011-000	50
white	A	N ⏚ 2|L 1|L'	890-834/011-000	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data				
Coding	A			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

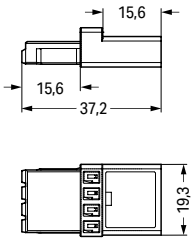
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

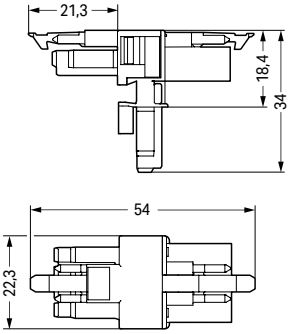
Intermediate coupler

Color	Coding	Aufdruck	Item No.	PU
black	A		890-604	50
white	A		890-654	50



T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	890-626	25
white	A	N ⏚ 2|L 1|L'	890-676	25



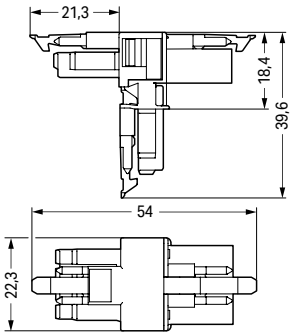
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

1

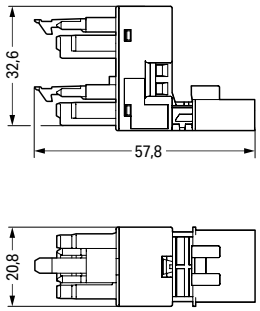
T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	890-627	25
○ white	A	N ⏚ 2|L 1|L'	890-677	25



h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	890-944	50
○ white	A	N ⏚ 2|L 1|L'	890-994	50



Item-Specific Accessories

Mounting plate; for distribution connector; No. of poles: 4

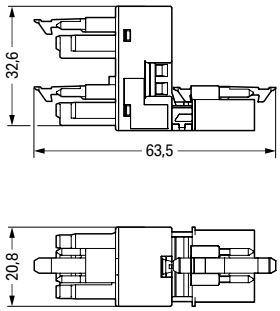
Color	Item No.	PU (SPU)
● black	890-624	50 (50)
○ white	890-674	50 (50)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 4

h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	890-945	50
○ white	A	N ⏚ 2|L 1|L'	890-995	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 4

Color	Item No.	PU (SPU)
● black	890-624	50 (50)
○ white	890-674	50 (50)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2|L 1|L' ▸ Cable diameter: 8.4 … 10.5 mm

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data				
Coding	A			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

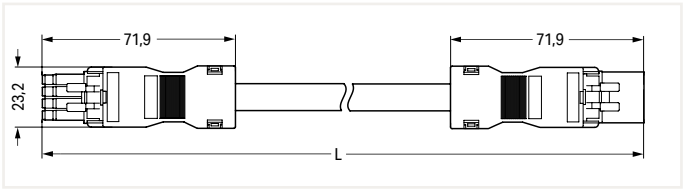
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

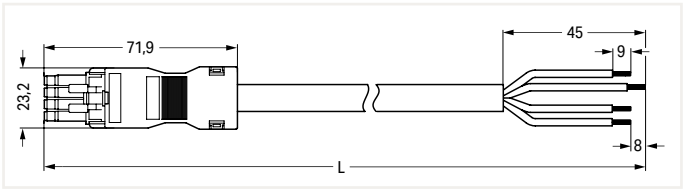
Additional information, see "Technical Section"

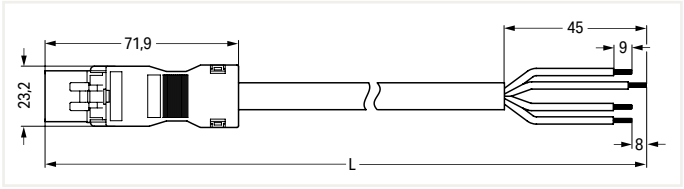
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2|L 1|L' ▸ Cable diameter: 8.4 … 10.5 mm ▸ PVC ▸ H05VV-F 4G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8994/006-101	891-8994/006-102		1
2 m	891-8994/006-201	891-8994/006-202		1
3 m	891-8994/006-301	891-8994/006-302		1
4 m	891-8994/006-401	891-8994/006-402		1
5 m	891-8994/006-501	891-8994/006-502		1
6 m	891-8994/006-601	891-8994/006-602		1
7 m	891-8994/006-701	891-8994/006-702		1
8 m	891-8994/006-801	891-8994/006-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8994/106-101	891-8994/106-102		1
2 m	891-8994/106-201	891-8994/106-202		1
3 m	891-8994/106-301	891-8994/106-302		1
4 m	891-8994/106-401	891-8994/106-402		1
5 m	891-8994/106-501	891-8994/106-502		1
6 m	891-8994/106-601	891-8994/106-602		1
7 m	891-8994/106-701	891-8994/106-702		1
8 m	891-8994/106-801	891-8994/106-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8994/206-101	891-8994/206-102		1
2 m	891-8994/206-201	891-8994/206-202		1
3 m	891-8994/206-301	891-8994/206-302		1
4 m	891-8994/206-401	891-8994/206-402		1
5 m	891-8994/206-501	891-8994/206-502		1
6 m	891-8994/206-601	891-8994/206-602		1
7 m	891-8994/206-701	891-8994/206-702		1
8 m	891-8994/206-801	891-8994/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

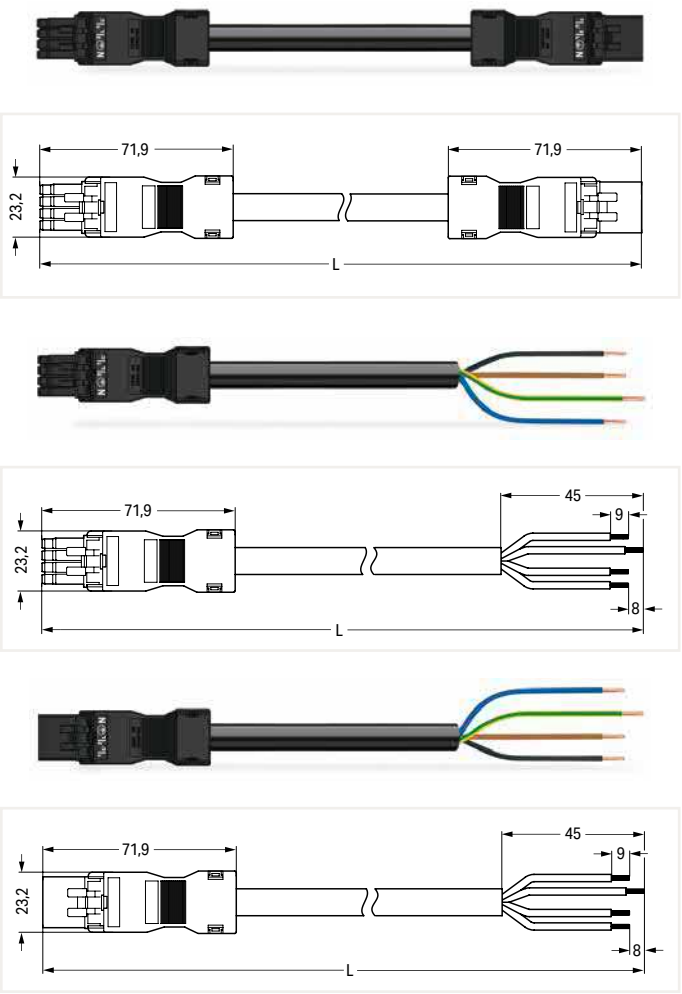
Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2|L 1|L' ▸ Cable diameter: 8.4 … 10.5 mm ▸ Halogen-free ▸ H05Z1Z1-F 4G1.5

1



Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8994/016-101	891-8994/016-102		1
2 m	891-8994/016-201	891-8994/016-202		1
3 m	891-8994/016-301	891-8994/016-302		1
4 m	891-8994/016-401	891-8994/016-402		1
5 m	891-8994/016-501	891-8994/016-502		1
6 m	891-8994/016-601	891-8994/016-602		1
7 m	891-8994/016-701	891-8994/016-702		1
8 m	891-8994/016-801	891-8994/016-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8994/116-101	891-8994/116-102		1
2 m	891-8994/116-201	891-8994/116-202		1
3 m	891-8994/116-301	891-8994/116-302		1
4 m	891-8994/116-401	891-8994/116-402		1
5 m	891-8994/116-501	891-8994/116-502		1
6 m	891-8994/116-601	891-8994/116-602		1
7 m	891-8994/116-701	891-8994/116-702		1
8 m	891-8994/116-801	891-8994/116-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8994/216-101	891-8994/216-102		1
2 m	891-8994/216-201	891-8994/216-202		1
3 m	891-8994/216-301	891-8994/216-302		1
4 m	891-8994/216-401	891-8994/216-402		1
5 m	891-8994/216-501	891-8994/216-502		1
6 m	891-8994/216-601	891-8994/216-602		1
7 m	891-8994/216-701	891-8994/216-702		1
8 m	891-8994/216-801	891-8994/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data						
Coding	A			I		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	13 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	12 A			12 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

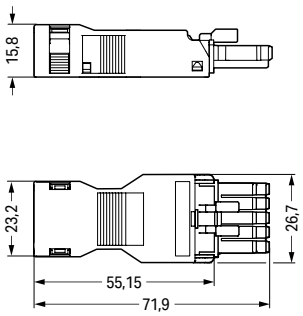
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

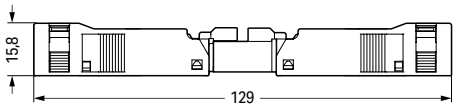
Shield connection	Page 481
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5 ▸ Cable diameter: 6.5 … 10.5 mm

Female connector/socket ▸ Strip length: 45 mm

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 1 2 3	890-105	50
○ white	A	N ⏚ 1 2 3	890-125	50

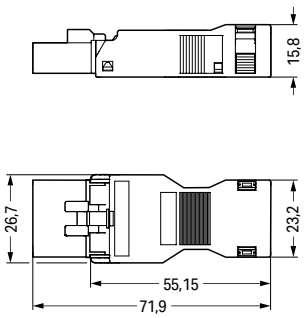


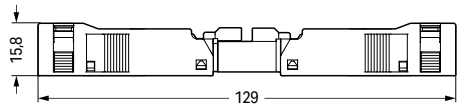


Overall length when mated

Male connector/plug ▸ Strip length: 45 mm

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 1 2 3	890-115	50
○ white	A	N ⏚ 1 2 3	890-135	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 5

Item No.	PU
890-385	1

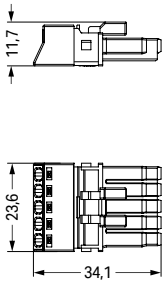
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

1

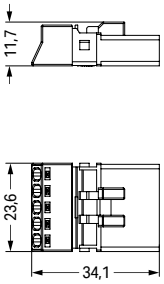
Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-205	50
white	A	N ⏚ 1 2 3	890-225	50
blue	I	N ⏚ L - +	890-1105	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-215	50
white	A	N ⏚ 1 2 3	890-235	50
blue	I	N ⏚ L - +	890-1115	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 5

	Item No.	PU
	890-385	1

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length: 45 mm

Color	Item No.	PU
black	890-505	50
white	890-515	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

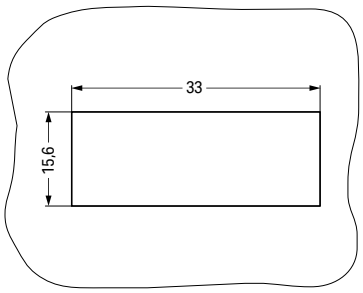


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data						
Coding	A			I		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	13 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	12 A			12 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Tools Page 506

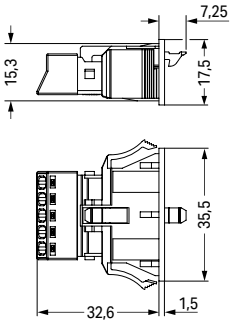
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

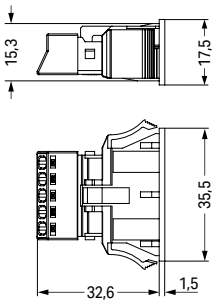
Female connector/socket

Color	Coding	Marking	Item No.	PU (SPU)
black	A	N ⏚ 1 2 3	890-705	50 (50)
white	A	N ⏚ 1 2 3	890-725	50 (50)
blue	I	N ⏚ L - +	890-2105	50 (50)



Female connector/socket ▸ for lighting installation with intermediate coupler

Color	Coding	Marking	Item No.	PU (SPU)
black	A	N ⏚ 1 2 3	890-705/006-000	50 (50)
white	A	N ⏚ 1 2 3	890-725/006-000	50 (25)
blue	I	N ⏚ L - +	890-2105/006-000	50 (50)



Accessories; for all products on this page

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 5

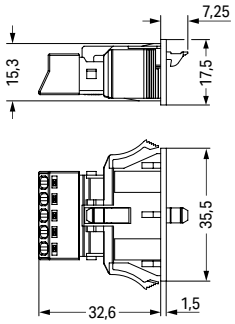
Item No.	PU
890-385	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

Male connector/plug

Color	Coding	Marking	Item No.	PU (SPU)
black	A	N ⏚ 1 2 3	890-715	50 (25)
white	A	N ⏚ 1 2 3	890-735	50 (50)
blue	I	N ⏚ L - +	890-2115	50 (50)



Accessories; for all products on this page

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 5

Item No.	PU
890-385	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data						
Coding	A			I		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	13 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	12 A			12 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

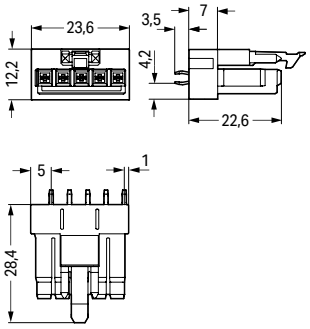
Additional information, see “Technical Section”

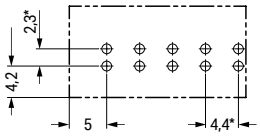
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-805	50
white	A	N ⏚ 1 2 3	890-825	50
blue	I	N ⏚ L - +	890-3105	50

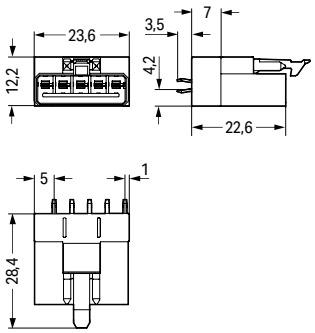


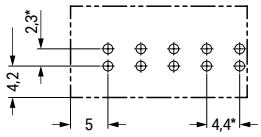


* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-815	50
white	A	N ⏚ 1 2 3	890-835	50
blue	I	N ⏚ L - +	890-3115	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

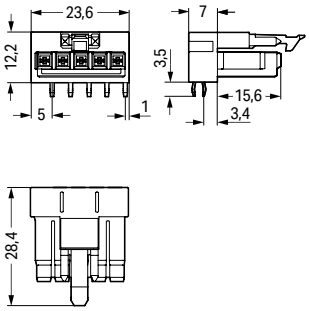
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

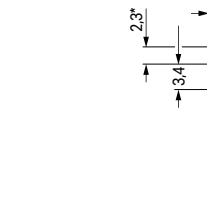
Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

1

Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-805/011-000	50
	A	N ⏚ 1 2 3	890-825/011-000	50
blue	I	N ⏚ L - +	890-3105/011-000	100

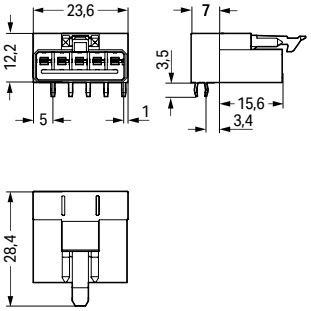


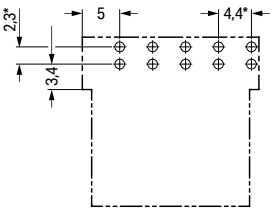


* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-815/011-000	50
white	A	N ⏚ 1 2 3	890-835/011-000	50
blue	I	N ⏚ L - +	890-3115/011-000	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data						
Coding	A			I		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	13 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	12 A			12 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

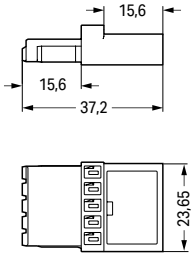
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

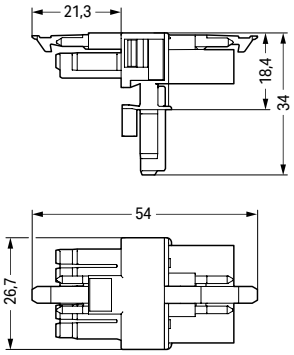
Intermediate coupler

Color	Coding	Aufdruck	Item No.	PU
black	A		890-605	50
	A		890-655	50
blue	I		890-619	50



T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-621	25
white	A	N ⏚ 1 2 3	890-671	25
blue	I	N ⏚ L - +	890-617	25



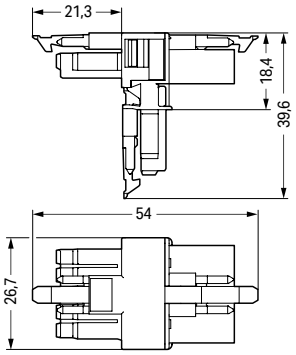
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

1

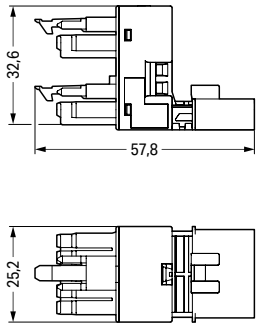
T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-622	25
white	A	N ⏚ 1 2 3	890-672	25
blue	I	N ⏚ L - +	890-620	25



h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-929	50
white	A	N ⏚ 1 2 3	890-979	50
blue	I	N ⏚ L - +	890-982	50



Item-Specific Accessories

Mounting plate; for distribution connector; No. of poles: 5

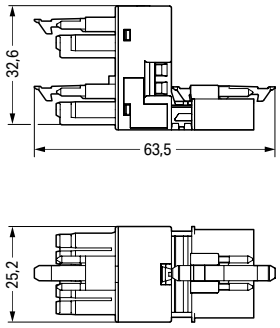
Color	Item No.	PU (SPU)
black	890-625	50 (50)
white	890-675	50 (50)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
No. of poles: 5

h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-930	50
white	A	N ⏚ 1 2 3	890-980	50
blue	I	N ⏚ L - +	890-983	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 5

Color	Item No.	PU (SPU)
black	890-625	50 (50)
white	890-675	50 (50)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Cable diameter: 9.3 … 11.6 mm

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

Electrical Data						
Coding	**A**			**A / I**		
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	13 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	12 A			12 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

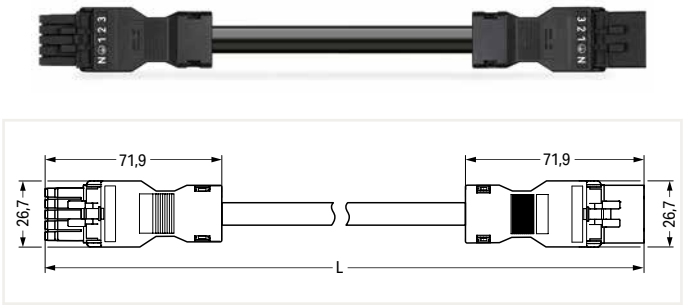
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

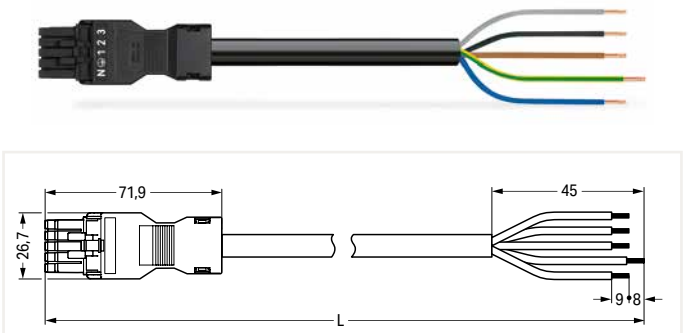
Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Cable diameter: 9.3 … 11.6 mm ▸ Coding: A ▸ Marking: N ⏚ 1 2 3 ▸ PVC ▸ H05VV-F 5G1.5



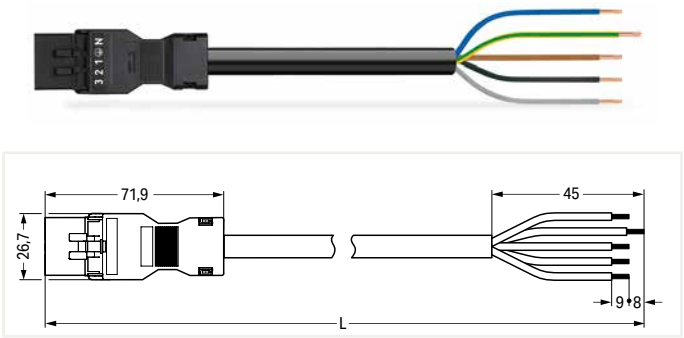
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8995/006-101	891-8995/006-102		1
2 m	891-8995/006-201	891-8995/006-202		1
3 m	891-8995/006-301	891-8995/006-302		1
4 m	891-8995/006-401	891-8995/006-402		1
5 m	891-8995/006-501	891-8995/006-502		1
6 m	891-8995/006-601	891-8995/006-602		1
7 m	891-8995/006-701	891-8995/006-702		1
8 m	891-8995/006-801	891-8995/006-802		1



Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8995/106-101	891-8995/106-102		1
2 m	891-8995/106-201	891-8995/106-202		1
3 m	891-8995/106-301	891-8995/106-302		1
4 m	891-8995/106-401	891-8995/106-402		1
5 m	891-8995/106-501	891-8995/106-502		1
6 m	891-8995/106-601	891-8995/106-602		1
7 m	891-8995/106-701	891-8995/106-702		1
8 m	891-8995/106-801	891-8995/106-802		1



Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8995/206-101	891-8995/206-102		1
2 m	891-8995/206-201	891-8995/206-202		1
3 m	891-8995/206-301	891-8995/206-302		1
4 m	891-8995/206-401	891-8995/206-402		1
5 m	891-8995/206-501	891-8995/206-502		1
6 m	891-8995/206-601	891-8995/206-602		1
7 m	891-8995/206-701	891-8995/206-702		1
8 m	891-8995/206-801	891-8995/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

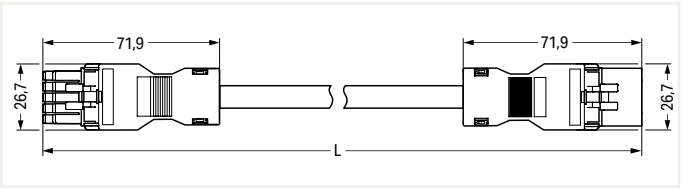
Mounting adapter; for 2- to 5-pole for flying leads

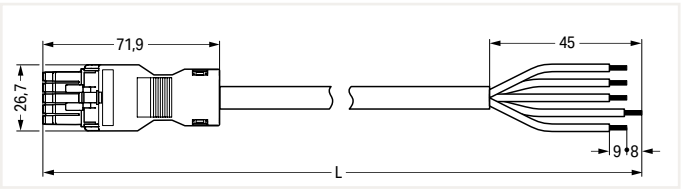
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

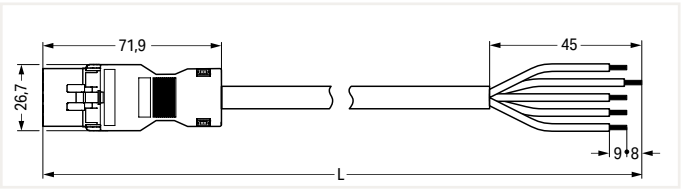
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Cable diameter: 9.3 … 11.6 mm ▸ Coding: A ▸ Marking: N ⏚ 1 2 3 ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8995/016-101	891-8995/016-102		1
2 m	891-8995/016-201	891-8995/016-202		1
3 m	891-8995/016-301	891-8995/016-302		1
4 m	891-8995/016-401	891-8995/016-402		1
5 m	891-8995/016-501	891-8995/016-502		1
6 m	891-8995/016-601	891-8995/016-602		1
7 m	891-8995/016-701	891-8995/016-702		1
8 m	891-8995/016-801	891-8995/016-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8995/116-101	891-8995/116-102		1
2 m	891-8995/116-201	891-8995/116-202		1
3 m	891-8995/116-301	891-8995/116-302		1
4 m	891-8995/116-401	891-8995/116-402		1
5 m	891-8995/116-501	891-8995/116-502		1
6 m	891-8995/116-601	891-8995/116-602		1
7 m	891-8995/116-701	891-8995/116-702		1
8 m	891-8995/116-801	891-8995/116-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	891-8995/216-101	891-8995/216-102		1
2 m	891-8995/216-201	891-8995/216-202		1
3 m	891-8995/216-301	891-8995/216-302		1
4 m	891-8995/216-401	891-8995/216-402		1
5 m	891-8995/216-501	891-8995/216-502		1
6 m	891-8995/216-601	891-8995/216-602		1
7 m	891-8995/216-701	891-8995/216-702		1
8 m	891-8995/216-801	891-8995/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

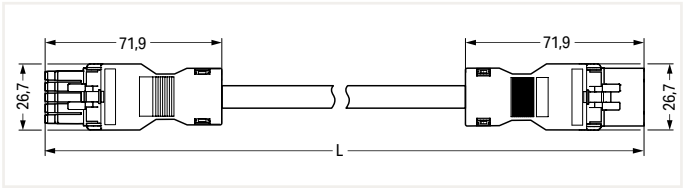
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

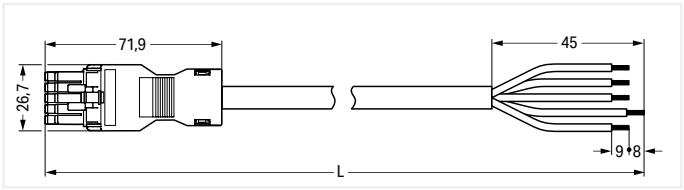
Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

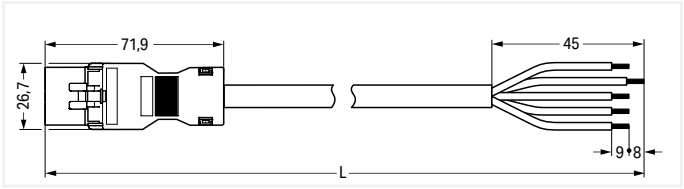
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Cable diameter: 9.3 … 11.6 mm ▸ Coding: I ▸ Marking: N ⏚ L - + ▸ PVC ▸ H05VV-F 5G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8985/006-101	891-8985/006-102		1
2 m	891-8985/006-201	891-8985/006-202		1
3 m	891-8985/006-301	891-8985/006-302		1
4 m	891-8985/006-401	891-8985/006-402		1
5 m	891-8985/006-501	891-8985/006-502		1
6 m	891-8985/006-601	891-8985/006-602		1
7 m	891-8985/006-701	891-8985/006-702		1
8 m	891-8985/006-801	891-8985/006-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8985/106-101	891-8985/106-102		1
2 m	891-8985/106-201	891-8985/106-202		1
3 m	891-8985/106-301	891-8985/106-302		1
4 m	891-8985/106-401	891-8985/106-402		1
5 m	891-8985/106-501	891-8985/106-502		1
6 m	891-8985/106-601	891-8985/106-602		1
7 m	891-8985/106-701	891-8985/106-702		1
8 m	891-8985/106-801	891-8985/106-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8985/206-101	891-8985/206-102		1
2 m	891-8985/206-201	891-8985/206-202		1
3 m	891-8985/206-301	891-8985/206-302		1
4 m	891-8985/206-401	891-8985/206-402		1
5 m	891-8985/206-501	891-8985/206-502		1
6 m	891-8985/206-601	891-8985/206-602		1
7 m	891-8985/206-701	891-8985/206-702		1
8 m	891-8985/206-801	891-8985/206-802		1

Accessories; for all products on this page

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Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

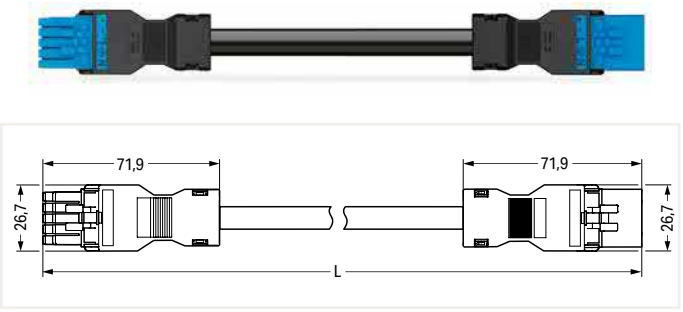
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

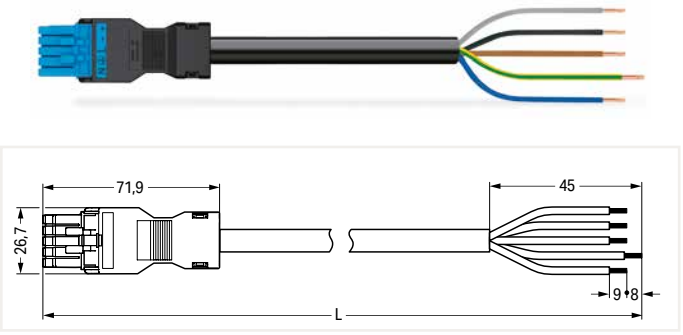
Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

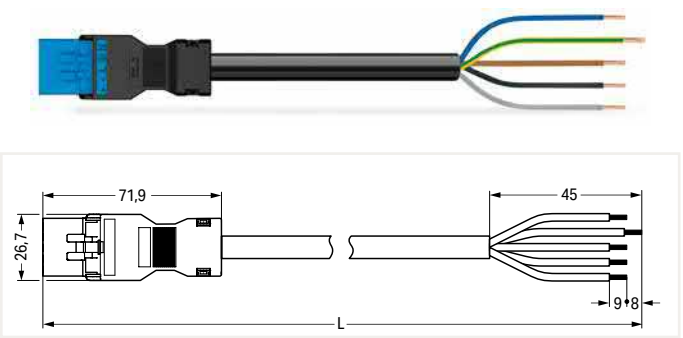
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Cable diameter: 9.3 … 11.6 mm ▸ Coding: I ▸ Marking: N ⏚ L - + ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8985/016-101	891-8985/016-102		1
2 m	891-8985/016-201	891-8985/016-202		1
3 m	891-8985/016-301	891-8985/016-302		1
4 m	891-8985/016-401	891-8985/016-402		1
5 m	891-8985/016-501	891-8985/016-502		1
6 m	891-8985/016-601	891-8985/016-602		1
7 m	891-8985/016-701	891-8985/016-702		1
8 m	891-8985/016-801	891-8985/016-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8985/116-101	891-8985/116-102		1
2 m	891-8985/116-201	891-8985/116-202		1
3 m	891-8985/116-301	891-8985/116-302		1
4 m	891-8985/116-401	891-8985/116-402		1
5 m	891-8985/116-501	891-8985/116-502		1
6 m	891-8985/116-601	891-8985/116-602		1
7 m	891-8985/116-701	891-8985/116-702		1
8 m	891-8985/116-801	891-8985/116-802		1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	891-8985/216-101	891-8985/216-102		1
2 m	891-8985/216-201	891-8985/216-202		1
3 m	891-8985/216-301	891-8985/216-302		1
4 m	891-8985/216-401	891-8985/216-402		1
5 m	891-8985/216-501	891-8985/216-502		1
6 m	891-8985/216-601	891-8985/216-602		1
7 m	891-8985/216-701	891-8985/216-702		1
8 m	891-8985/216-801	891-8985/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WAGO Pluggable Connection System *WINSTA*® MINI special

Important note:

B-Coded components from the *WINSTA*® MINI special series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984. In addition to the gray models rated from 110 to 400 V, there is now also a variant in light green for low voltages up to 48 V, as well as a pink one for bus applications. Each of the three versions is available in 2-, 3- or 4- and 5-pole configurations. Pole marking can be printed at the factory to suit customer requirements. B-coded products are protected against mismating with all other coding types found in the *WINSTA*® system. Within B-coding, all special variants can mate with each other. Special variants can be clearly differentiated according to color and pole marking.

PUSH-IN CAGE CLAMP®

WAGO Pluggable Connection System *WINSTA*® MINI special ▸ 890, 891 Series
1.5 mm² / 16 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

2

	Page
Pluggable Connectors; 890 Series	
2-pole	114
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4-pole	142
5-pole	158
Snap-In Device Connectors; 890 Series	
2-pole	116
3-pole	130
4-pole	144
5-pole	160
Pluggable PCB Connectors; 890 Series	
2-pole	118
3-pole	132
4-pole	146
5-pole	162
Distribution Connectors; 890 Series	
2-pole	122
3-pole	136
4-pole	150
Cable Assemblies; 891 Series	
2-pole	124
3-pole	138
4-pole	154
5-pole	166

PUSH-IN CAGE CLAMP®

WINSTA® MINI special ▸ 890, 891 Series
Description and Installation

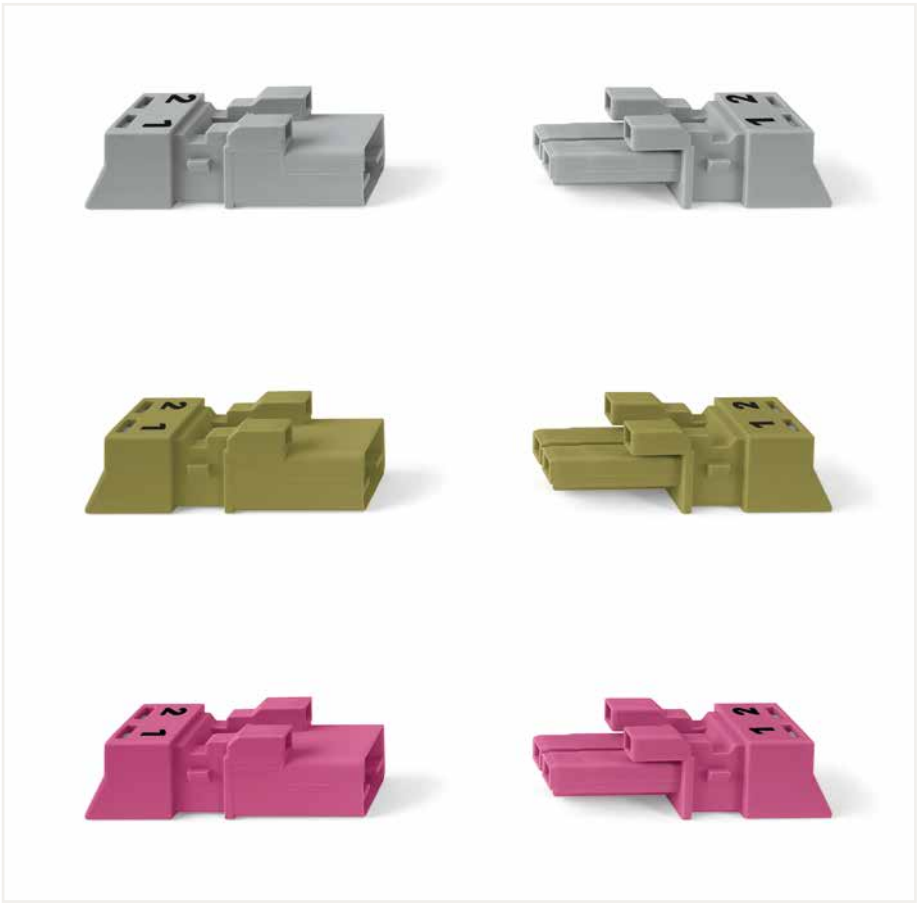
Gray, B-coded connector with "3 2 1" marking, e.g., control signal (A circuit)

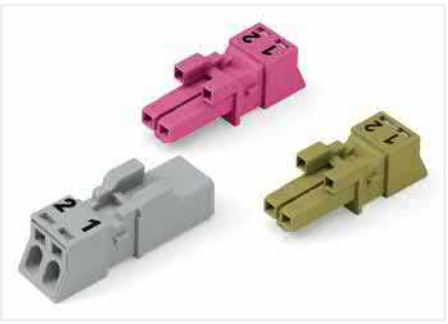
Easy circuit identification via different marking and colors

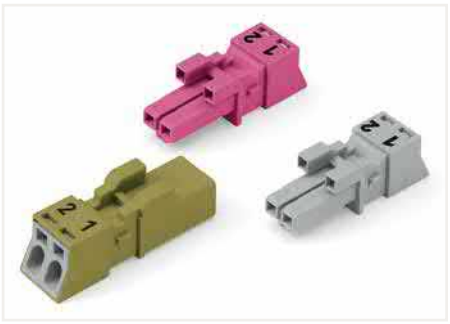
B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

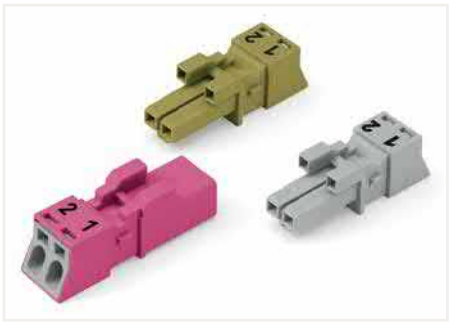
Light green, B-coded connector with "3 2 1" marking, e.g., DC power supply (24 V circuit)

Pink, B-coded connector with "3 2 1" marking, e.g., control signal (B circuit)





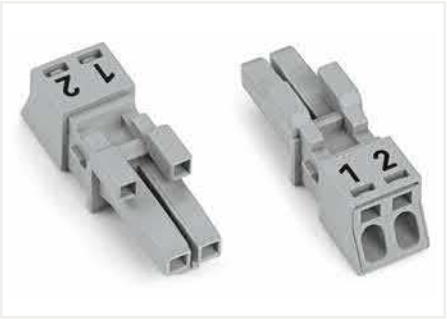




B-coded connectors with different colors can be plugged together.
Important note:
Different colors and/or pole markings are used for circuit identification.
Only connectors of the same color and same pole marking must be plugged together.

Installation notes for conductor connection, shield termination, operating tools and mounting aids for *WINSTA*® MIDI special pluggable connectors, see page 26.

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data

Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data

Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data

Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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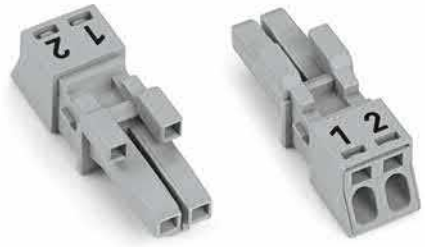
Additional information, see “Technical Section”

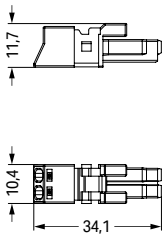
Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2

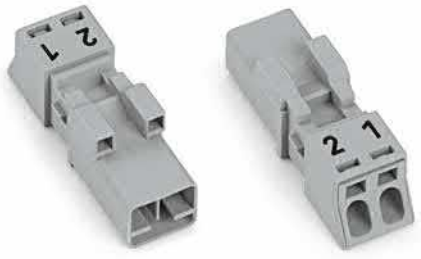
Female connector/socket



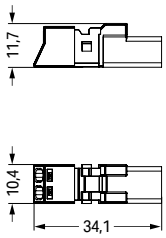
Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-242	50
gray	B	L N	890-242/060-000	50
light green	B	1 2	890-262	50
pink	B	+ -	890-282/082-000	50
pink	B	1 2	890-282	50
pink	B	I+ I-	890-282/080-000	50



Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-252	50
gray	B	L N	890-252/060-000	50
light green	B	1 2	890-272	50
pink	B	+ -	890-292/082-000	50
pink	B	1 2	890-292	50
pink	B	I+ I-	890-292/080-000	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 2

Item No.	PU
890-382	1

Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length: 32 mm

Color	Item No.	PU
black	890-502	50
white	890-512	50

Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length: 17.5 mm

Color	Item No.	PU
black	890-502/342-000	50
white	890-512/342-000	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

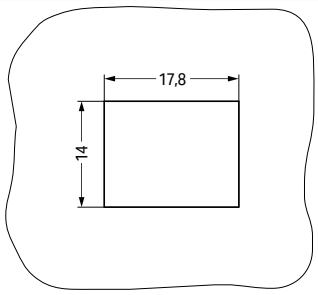


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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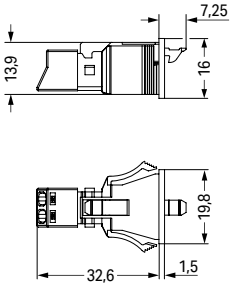
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2

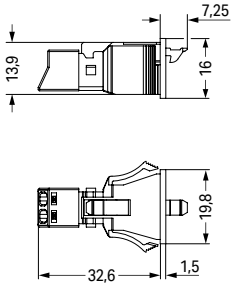
Female connector/socket

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2	890-742	50 (50)
gray	B	L N	890-742/060-000	50 (50)
light green	B	1 2	890-762	50 (50)
pink	B	+ -	890-782/082-000	50 (50)
pink	B	1 2	890-782	50 (50)
pink	B	I+ I-	890-782/080-000	50 (50)



Male connector/plug

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2	890-752	50 (50)
gray	B	L N	890-752/060-000	50 (50)
light green	B	1 2	890-772	50 (50)
pink	B	+ -	890-792/082-000	50 (50)
pink	B	1 2	890-792	50 (50)
pink	B	I+ I-	890-792/080-000	50 (50)



Accessories; for all products on this page

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 2

Item No.	PU
890-382	1

Lockout cap; for cutout; No. of poles: 2

Color	Item No.	PU
black	890-642	100
white	890-692	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data

Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data

Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data

Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

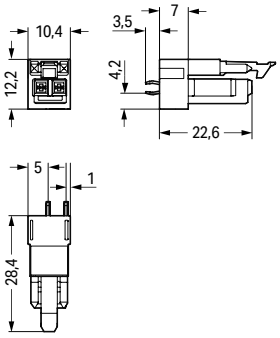
Additional information, see “Technical Section”

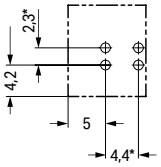
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-842	100
light green	B	1 2	890-862	100
pink	B	1 2	890-882	100

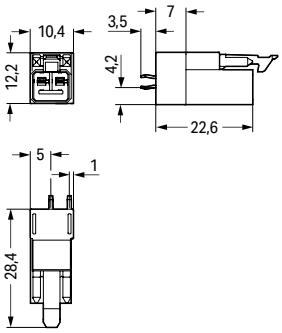


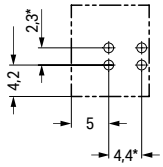


* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-852	100
light green	B	1 2	890-872	100
pink	B	1 2	890-892	100





* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

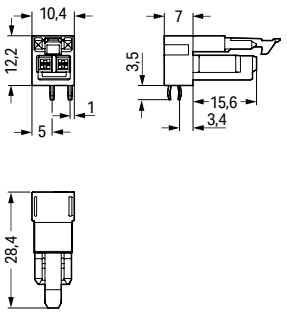
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

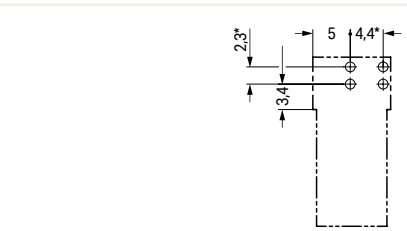
Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2

2

Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-842/011-000	100
light green	B	1 2	890-862/011-000	100
pink	B	1 2	890-882/011-000	100

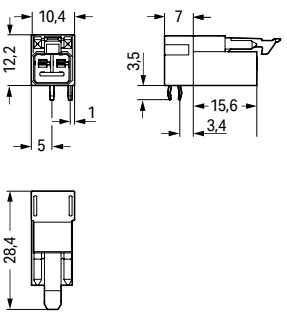


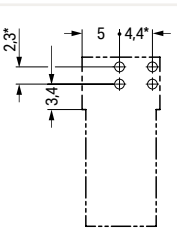


* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-852/011-000	100
light green	B	1 2	890-872/011-000	100
pink	B	1 2	890-892/011-000	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2 ▸ T-distribution connector

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

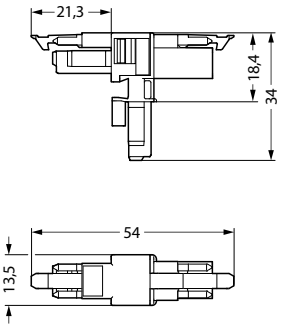
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 2 ▸ T-distribution connector

Number of locking levers: 2

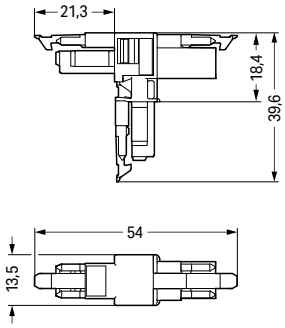
Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-1601	25
light green	B	1 2	890-1602	25
pink	B	1 2	890-1603	25



Number of locking levers: 3

Fig. similar

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-1701	25
light green	B	1 2	890-1702	25
pink	B	1 2	890-1703	25



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series
No. of poles: 2 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	14 A			14 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

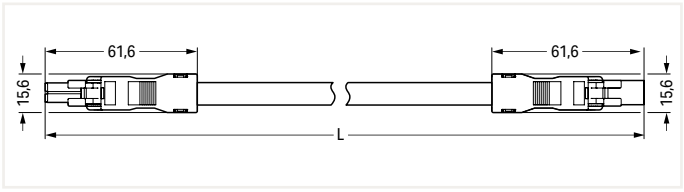
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

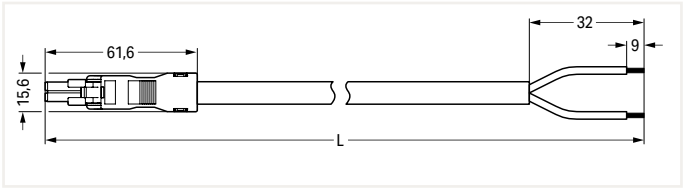
Additional information, see “Technical Section”

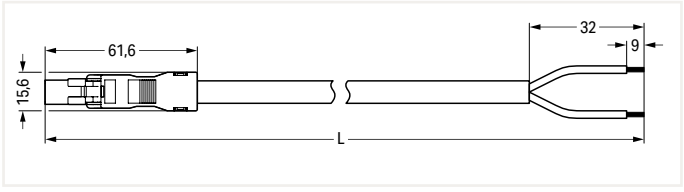
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 5.9 … 7.5 mm ▸ Control line 2 x 1







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8992/005-103	891-8992/005-105	891-8992/005-107	1
2 m	891-8992/005-203	891-8992/005-205	891-8992/005-207	1
3 m	891-8992/005-303	891-8992/005-305	891-8992/005-307	1
4 m	891-8992/005-403	891-8992/005-405	891-8992/005-407	1
5 m	891-8992/005-503	891-8992/005-505	891-8992/005-507	1
6 m	891-8992/005-603	891-8992/005-605	891-8992/005-607	1
7 m	891-8992/005-703	891-8992/005-705	891-8992/005-707	1
8 m	891-8992/005-803	891-8992/005-805	891-8992/005-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8992/105-103	891-8992/105-105	891-8992/105-107	1
2 m	891-8992/105-203	891-8992/105-205	891-8992/105-207	1
3 m	891-8992/105-303	891-8992/105-305	891-8992/105-307	1
4 m	891-8992/105-403	891-8992/105-405	891-8992/105-407	1
5 m	891-8992/105-503	891-8992/105-505	891-8992/105-507	1
6 m	891-8992/105-603	891-8992/105-605	891-8992/105-607	1
7 m	891-8992/105-703	891-8992/105-705	891-8992/105-707	1
8 m	891-8992/105-803	891-8992/105-805	891-8992/105-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8992/205-103	891-8992/205-105	891-8992/205-107	1
2 m	891-8992/205-203	891-8992/205-205	891-8992/205-207	1
3 m	891-8992/205-303	891-8992/205-305	891-8992/205-307	1
4 m	891-8992/205-403	891-8992/205-405	891-8992/205-407	1
5 m	891-8992/205-503	891-8992/205-505	891-8992/205-507	1
6 m	891-8992/205-603	891-8992/205-605	891-8992/205-607	1
7 m	891-8992/205-703	891-8992/205-705	891-8992/205-707	1
8 m	891-8992/205-803	891-8992/205-805	891-8992/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

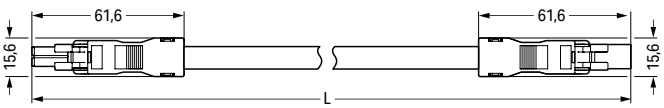
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

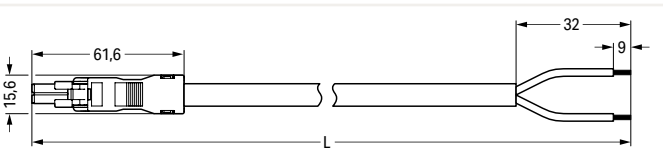
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

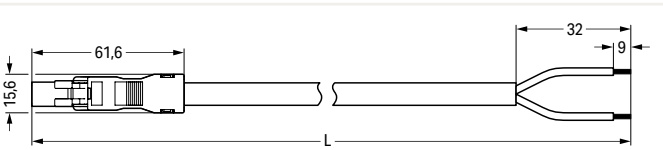
- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 6.8 … 8.6 mm ▸ Control line 2 x 1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8992/006-103	891-8992/006-105	891-8992/006-107	1
2 m	891-8992/006-203	891-8992/006-205	891-8992/006-207	1
3 m	891-8992/006-303	891-8992/006-305	891-8992/006-307	1
4 m	891-8992/006-403	891-8992/006-405	891-8992/006-407	1
5 m	891-8992/006-503	891-8992/006-505	891-8992/006-507	1
6 m	891-8992/006-603	891-8992/006-605	891-8992/006-607	1
7 m	891-8992/006-703	891-8992/006-705	891-8992/006-707	1
8 m	891-8992/006-803	891-8992/006-805	891-8992/006-807	1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8992/106-103	891-8992/106-105	891-8992/106-107	1
2 m	891-8992/106-203	891-8992/106-205	891-8992/106-207	1
3 m	891-8992/106-303	891-8992/106-305	891-8992/106-307	1
4 m	891-8992/106-403	891-8992/106-405	891-8992/106-407	1
5 m	891-8992/106-503	891-8992/106-505	891-8992/106-507	1
6 m	891-8992/106-603	891-8992/106-605	891-8992/106-607	1
7 m	891-8992/106-703	891-8992/106-705	891-8992/106-707	1
8 m	891-8992/106-803	891-8992/106-805	891-8992/106-807	1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8992/206-103	891-8992/206-105	891-8992/206-107	1
2 m	891-8992/206-203	891-8992/206-205	891-8992/206-207	1
3 m	891-8992/206-303	891-8992/206-305	891-8992/206-307	1
4 m	891-8992/206-403	891-8992/206-405	891-8992/206-407	1
5 m	891-8992/206-503	891-8992/206-505	891-8992/206-507	1
6 m	891-8992/206-603	891-8992/206-605	891-8992/206-607	1
7 m	891-8992/206-703	891-8992/206-705	891-8992/206-707	1
8 m	891-8992/206-803	891-8992/206-805	891-8992/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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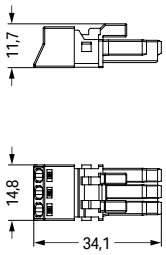
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3

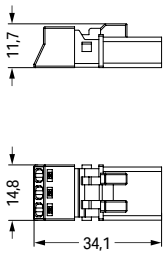
Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-243	50
gray	B	L ⏚ N	890-243/060-000	50
gray	B	2 PE 1	890-243/062-000	50
light green	B	1 2 3	890-263	50
light green	B	U+ X/Y U-	890-263/071-000	50
light green	B	1 ⏚ 2	890-263/073-000	50
pink	B	1 2 3	890-283	50
pink	B	1 2 5	890-283/081-000	50
pink	B	+ S -	890-283/082-000	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-253	50
gray	B	L ⏚ N	890-253/060-000	50
gray	B	2 PE 1	890-253/062-000	50
light green	B	1 2 3	890-273	50
light green	B	U+ X/Y U-	890-273/071-000	50
light green	B	1 ⏚ 2	890-273/073-000	50
pink	B	1 2 3	890-293	50
pink	B	1 2 5	890-293/081-000	50
pink	B	+ S -	890-293/082-000	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 3

	Item No.	PU
	890-383	1

Strain relief housing; Connectable sheathed cable diameter: 4.5 … 10 mm; Strip length: 40 mm

Color	Item No.	PU
black	890-503	50
white	890-513	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

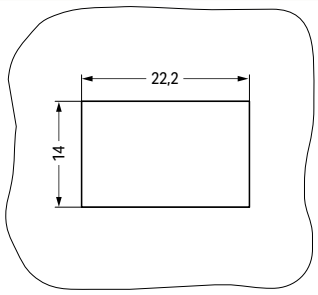


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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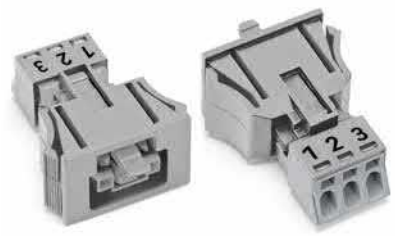
Additional information, see “Technical Section”

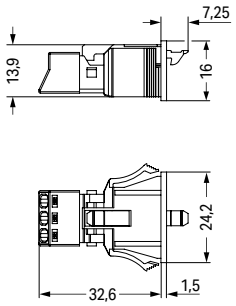
Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3

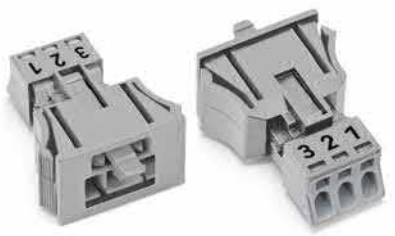
Female connector/socket



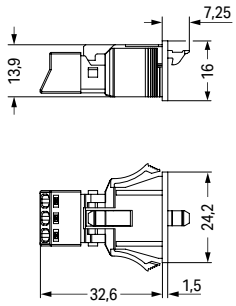
Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3	890-743	50 (50)
gray	B	L ⏚ N	890-743/060-000	50 (50)
gray	B	2 PE 1	890-743/062-000	50 (50)
light green	B	1 2 3	890-763	50 (50)
light green	B	U+ X/Y U-	890-763/071-000	50 (50)
light green	B	1 ⏚ 2	890-763/073-000	50 (50)
pink	B	1 2 3	890-783	50 (50)
pink	B	1 2 5	890-783/081-000	50 (50)
pink	B	+ S -	890-783/082-000	50 (50)



Male connector/plug



Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3	890-753	50 (50)
gray	B	L ⏚ N	890-753/060-000	50 (50)
gray	B	2 PE 1	890-753/062-000	50 (50)
light green	B	1 2 3	890-773	50 (50)
light green	B	U+ X/Y U-	890-773/071-000	50 (50)
light green	B	1 ⏚ 2	890-773/073-000	50 (50)
pink	B	1 2 3	890-793	50 (50)
pink	B	1 2 5	890-793/081-000	50 (50)
pink	B	+ S -	890-793/082-000	50 (50)



Accessories; for all products on this page

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 3

Item No.	PU
890-383	1

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
black	890-643	100
white	890-693	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

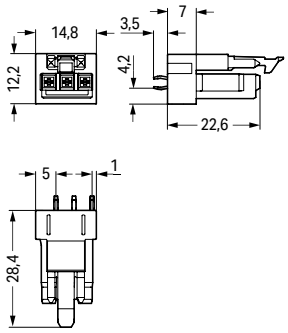
Additional information, see “Technical Section”

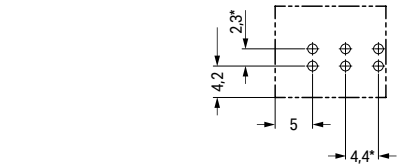
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-843	100
light green	B	1 2 3	890-863	100
pink	B	1 2 3	890-883	100

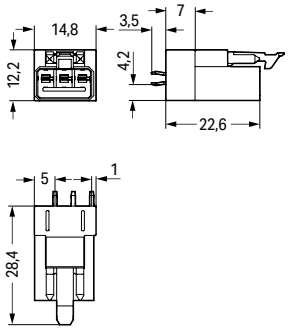


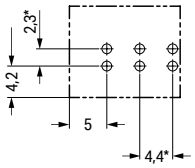


* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-853	100
light green	B	1 2 3	890-873	100
pink	B	1 2 3	890-893	100





* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

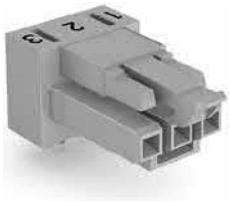
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

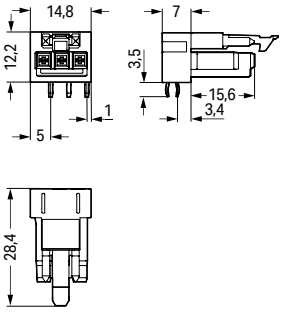
Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3

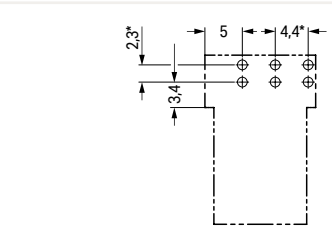
2

Angled ▸ Female connector/socket

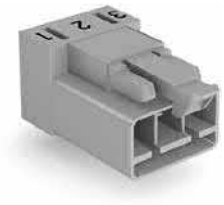


Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-843/011-000	100
light green	B	1 2 3	890-863/011-000	100
pink	B	1 2 3	890-883/011-000	100

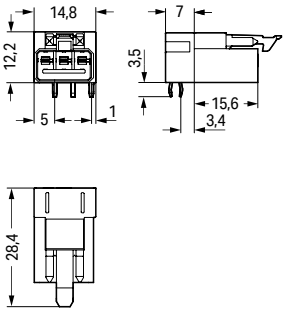


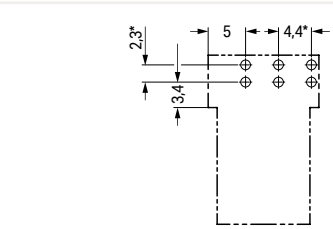


Angled ▸ Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-853/011-000	100
light green	B	1 2 3	890-873/011-000	100
pink	B	1 2 3	890-893/011-000	100





PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3 ▸ h-distribution connector, unidirectional

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

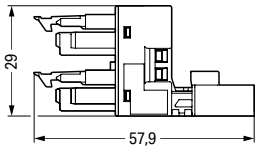
Additional information, see “Technical Section”

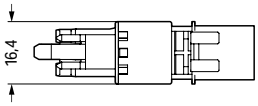
Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 3 ▸ h-distribution connector, unidirectional

Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-1661	50
light green	B	1 2 3	890-1662	50
pink	B	1 2 3	890-1663	50

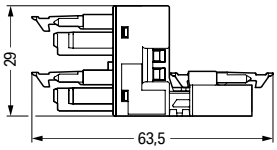


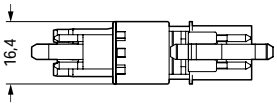


Number of locking levers: 3 ▸ for flying leads

Fig. similar

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-1761	50
light green	B	1 2 3	890-1762	50
pink	B	1 2 3	890-1763	50





Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 3

Color	Item No.	PU
black	890-623	50
white	890-673	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series
No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Note on rated current				13 A for 3-pole load		
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	14 A			14 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

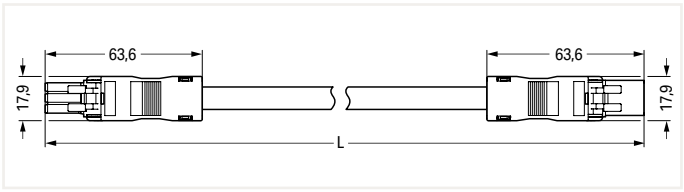
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

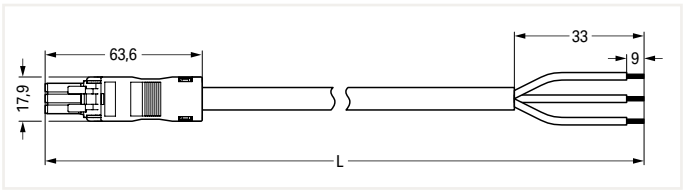
Additional information, see “Technical Section”

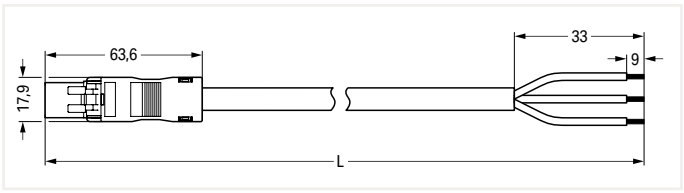
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 6.3 … 8 mm ▸ Control line 3 x 1







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8993/005-103	891-8993/005-105	891-8993/005-107	1
2 m	891-8993/005-203	891-8993/005-205	891-8993/005-207	1
3 m	891-8993/005-303	891-8993/005-305	891-8993/005-307	1
4 m	891-8993/005-403	891-8993/005-405	891-8993/005-407	1
5 m	891-8993/005-503	891-8993/005-505	891-8993/005-507	1
6 m	891-8993/005-603	891-8993/005-605	891-8993/005-607	1
7 m	891-8993/005-703	891-8993/005-705	891-8993/005-707	1
8 m	891-8993/005-803	891-8993/005-805	891-8993/005-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8993/105-103	891-8993/105-105	891-8993/105-107	1
2 m	891-8993/105-203	891-8993/105-205	891-8993/105-207	1
3 m	891-8993/105-303	891-8993/105-305	891-8993/105-307	1
4 m	891-8993/105-403	891-8993/105-405	891-8993/105-407	1
5 m	891-8993/105-503	891-8993/105-505	891-8993/105-507	1
6 m	891-8993/105-603	891-8993/105-605	891-8993/105-607	1
7 m	891-8993/105-703	891-8993/105-705	891-8993/105-707	1
8 m	891-8993/105-803	891-8993/105-805	891-8993/105-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8993/205-103	891-8993/205-105	891-8993/205-107	1
2 m	891-8993/205-203	891-8993/205-205	891-8993/205-207	1
3 m	891-8993/205-303	891-8993/205-305	891-8993/205-307	1
4 m	891-8993/205-403	891-8993/205-405	891-8993/205-407	1
5 m	891-8993/205-503	891-8993/205-505	891-8993/205-507	1
6 m	891-8993/205-603	891-8993/205-605	891-8993/205-607	1
7 m	891-8993/205-703	891-8993/205-705	891-8993/205-707	1
8 m	891-8993/205-803	891-8993/205-805	891-8993/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

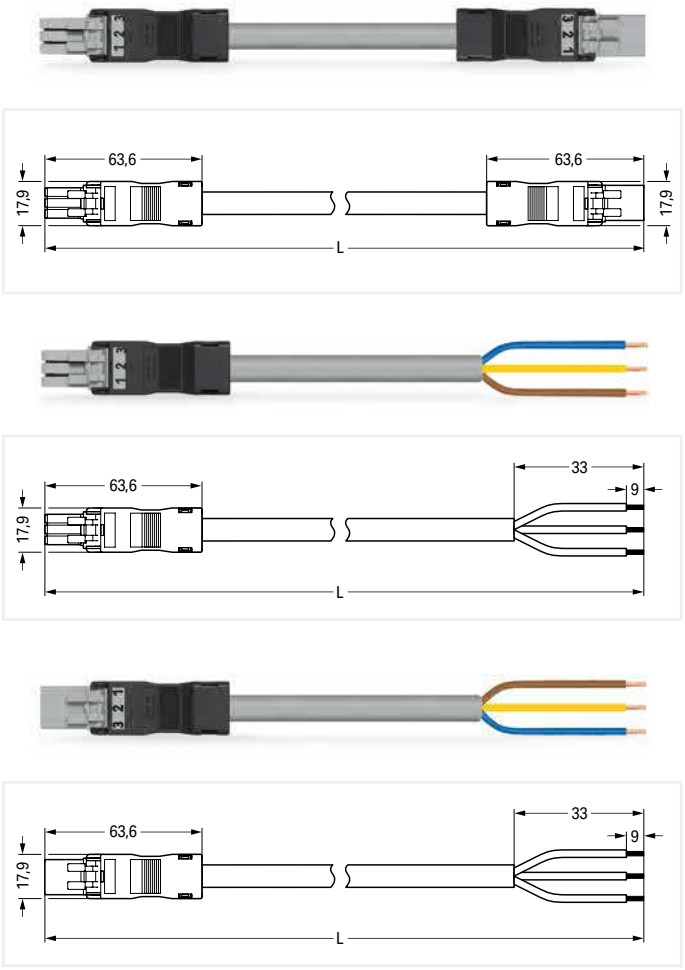
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 7.4 … 9.4 mm ▸ Control line 3 x 1.5



Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8993/006-103	891-8993/006-105	891-8993/006-107	1
2 m	891-8993/006-203	891-8993/006-205	891-8993/006-207	1
3 m	891-8993/006-303	891-8993/006-305	891-8993/006-307	1
4 m	891-8993/006-403	891-8993/006-405	891-8993/006-407	1
5 m	891-8993/006-503	891-8993/006-505	891-8993/006-507	1
6 m	891-8993/006-603	891-8993/006-605	891-8993/006-607	1
7 m	891-8993/006-703	891-8993/006-705	891-8993/006-707	1
8 m	891-8993/006-803	891-8993/006-805	891-8993/006-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8993/106-103	891-8993/106-105	891-8993/106-107	1
2 m	891-8993/106-203	891-8993/106-205	891-8993/106-207	1
3 m	891-8993/106-303	891-8993/106-305	891-8993/106-307	1
4 m	891-8993/106-403	891-8993/106-405	891-8993/106-407	1
5 m	891-8993/106-503	891-8993/106-505	891-8993/106-507	1
6 m	891-8993/106-603	891-8993/106-605	891-8993/106-607	1
7 m	891-8993/106-703	891-8993/106-705	891-8993/106-707	1
8 m	891-8993/106-803	891-8993/106-805	891-8993/106-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8993/206-103	891-8993/206-105	891-8993/206-107	1
2 m	891-8993/206-203	891-8993/206-205	891-8993/206-207	1
3 m	891-8993/206-303	891-8993/206-305	891-8993/206-307	1
4 m	891-8993/206-403	891-8993/206-405	891-8993/206-407	1
5 m	891-8993/206-503	891-8993/206-505	891-8993/206-507	1
6 m	891-8993/206-603	891-8993/206-605	891-8993/206-607	1
7 m	891-8993/206-703	891-8993/206-705	891-8993/206-707	1
8 m	891-8993/206-803	891-8993/206-805	891-8993/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data

Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load 10 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data

Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data

Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Tools Page 506

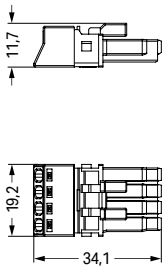
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

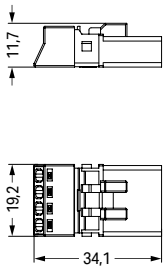
Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-244	50
gray	B	N ⏚ 2|L 1|L'	890-244/060-000	50
gray	B	3 PE 2 1	890-244/062-000	50
gray	B	2L ⏚ 1L L	890-244/064-000	50
light green	B	1 2 3 4	890-264	50
light green	B	U- S U+ X/Y	890-264/071-000	50
light green	B	U- U+ DI AI	890-264/072-000	50
light green	B	1 ⏚ 2 3	890-264/073-000	50
pink	B	1 2 3 4	890-284	50
pink	B	1 2 5 3	890-284/081-000	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-254	50
gray	B	N ⏚ 2|L 1|L'	890-254/060-000	50
gray	B	3 PE 2 1	890-254/062-000	50
gray	B	2L ⏚ 1L L	890-254/064-000	50
light green	B	1 2 3 4	890-274	50
light green	B	U- S U+ X/Y	890-274/071-000	50
light green	B	U- U+ DI AI	890-274/072-000	50
light green	B	1 ⏚ 2 3	890-274/073-000	50
pink	B	1 2 3 4	890-294	50
pink	B	1 2 5 3	890-294/081-000	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 4

	Item No.	PU
	890-384	1

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length: 45 mm

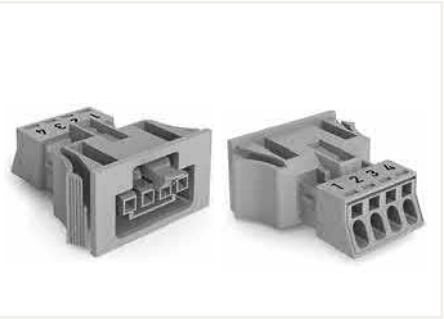
Color	Item No.	PU
black	890-504	50
white	890-514	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

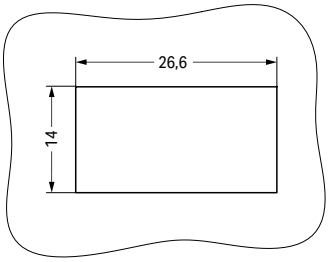


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load 10 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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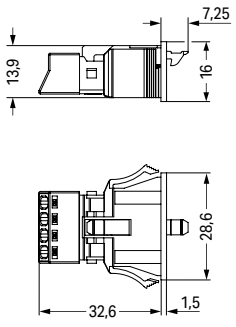
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

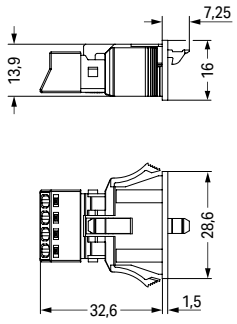
Female connector/socket

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3 4	890-744	50 (50)
gray	B	N ⏚ 2|L 1|L'	890-744/060-000	50 (50)
gray	B	3 PE 2 1	890-744/062-000	50 (50)
gray	B	2L ⏚ 1L L	890-744/064-000	50 (50)
light green	B	1 2 3 4	890-764	50 (50)
light green	B	U- S U+ X/Y	890-764/071-000	50 (50)
light green	B	U- U+ DI AI	890-764/072-000	50 (50)
light green	B	1 ⏚ 2 3	890-764/073-000	50 (50)
pink	B	1 2 3 4	890-784	50 (50)
pink	B	1 2 5 3	890-784/081-000	50 (50)



Male connector/plug

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3 4	890-754	50 (50)
gray	B	N ⏚ 2|L 1|L'	890-754/060-000	50 (50)
gray	B	3 PE 2 1	890-754/062-000	50 (50)
gray	B	2L ⏚ 1L L	890-754/064-000	50 (50)
light green	B	1 2 3 4	890-774	50 (50)
light green	B	U- S U+ X/Y	890-774/071-000	50 (50)
light green	B	U- U+ DI AI	890-774/072-000	50 (50)
light green	B	1 ⏚ 2 3	890-774/073-000	50 (50)
pink	B	1 2 3 4	890-794	50 (50)
pink	B	1 2 5 3	890-794/081-000	50 (50)



Accessories; for all products on this page

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 4

Item No.	PU
890-384	1

Lockout cap; for cutout; No. of poles: 4

Color	Item No.	PU
black	890-644	100
white	890-694	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load 10 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

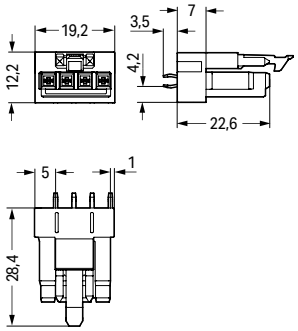
Additional information, see “Technical Section”

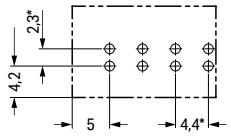
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-844	50
light green	B	1 2 3 4	890-864	50
pink	B	1 2 3 4	890-884	50

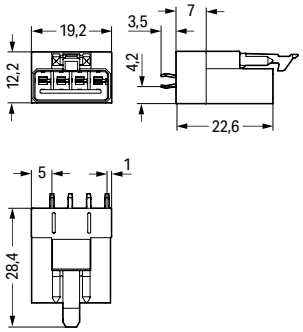


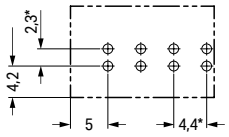


* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-854	50
light green	B	1 2 3 4	890-874	50
pink	B	1 2 3 4	890-894	50





* ± 0.05 mm
Drilled hole diameter: $1.3^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

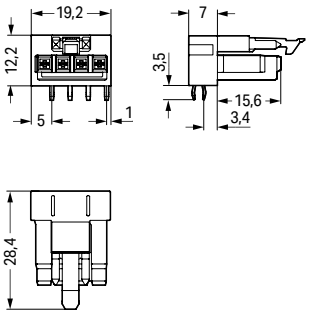
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

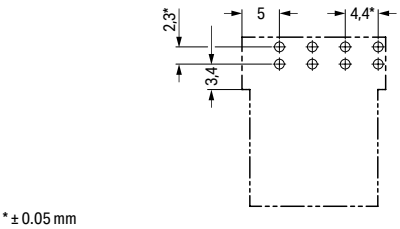
Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

2

Angled ▸ Female connector/socket

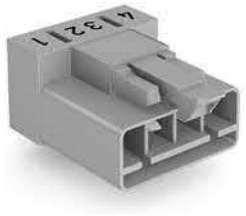
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-844/011-000	50
light green	B	1 2 3 4	890-864/011-000	50
pink	B	1 2 3 4	890-884/011-000	50



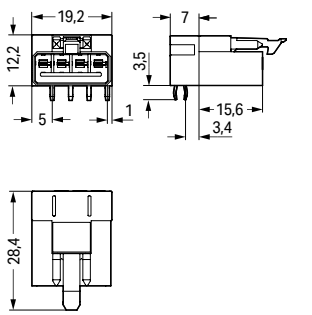


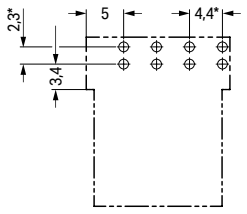
* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Angled ▸ Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-854/011-000	50
light green	B	1 2 3 4	890-874/011-000	50
pink	B	1 2 3 4	890-894/011-000	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

2

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load 10 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

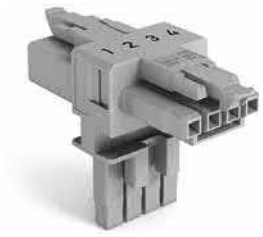
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Additional information, see “Technical Section”

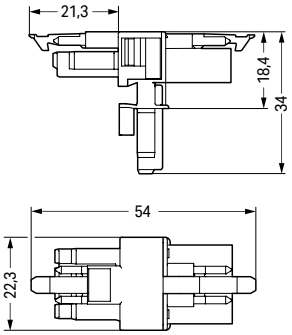
Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

T-distribution connector ▸ Number of locking levers: 2

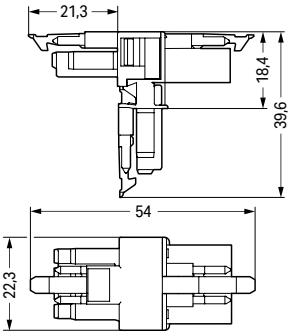


Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-1631	25
light green	B	1 2 3 4	890-1632	25
pink	B	1 2 3 4	890-1633	25



T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-1731	25
light green	B	1 2 3 4	890-1732	25
pink	B	1 2 3 4	890-1733	25



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

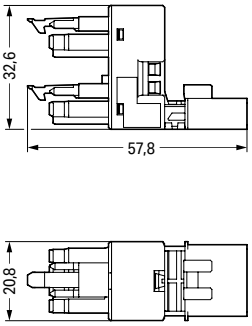
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

2

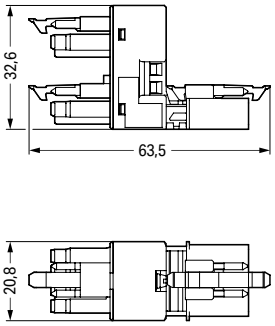
h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-1681	50
light green	B	1 2 3 4	890-1682	50
pink	B	1 2 3 4	890-1683	50



h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-1781	50
light green	B	1 2 3 4	890-1782	50
pink	B	1 2 3 4	890-1783	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 4

Color	Item No.	PU (SPU)
black	890-624	50 (50)
white	890-674	50 (50)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

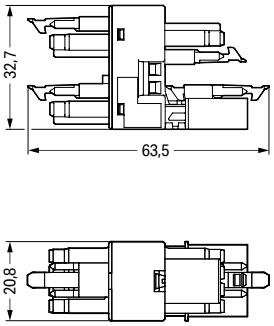
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Distribution Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 4

Distribution connector, 3-way

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-1734	50
light green	B	1 2 3 4	890-1735	50
pink	B	1 2 3 4	890-1736	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 4

Color	Item No.	PU (SPU)
black	890-624	50 (50)
white	890-674	50 (50)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Note on rated current				13 A for 3-pole load 10 A for 4-pole load		
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	12 A			12 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

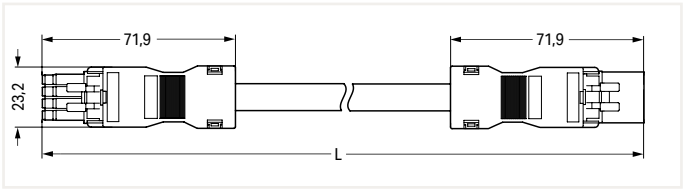
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

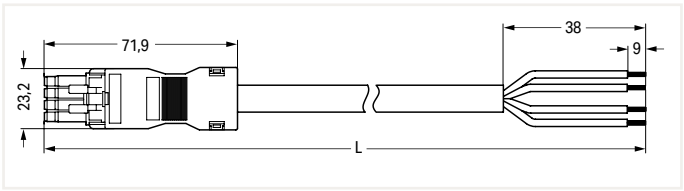
Additional information, see “Technical Section”

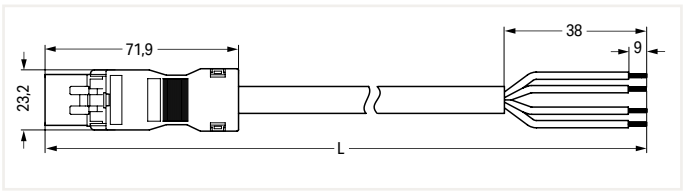
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 7.1 … 9 mm ▸ Control line 4 x 1







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8994/005-103	891-8994/005-105	891-8994/005-107	1
2 m	891-8994/005-203	891-8994/005-205	891-8994/005-207	1
3 m	891-8994/005-303	891-8994/005-305	891-8994/005-307	1
4 m	891-8994/005-403	891-8994/005-405	891-8994/005-407	1
5 m	891-8994/005-503	891-8994/005-505	891-8994/005-507	1
6 m	891-8994/005-603	891-8994/005-605	891-8994/005-607	1
7 m	891-8994/005-703	891-8994/005-705	891-8994/005-707	1
8 m	891-8994/005-803	891-8994/005-805	891-8994/005-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8994/105-103	891-8994/105-105	891-8994/105-107	1
2 m	891-8994/105-203	891-8994/105-205	891-8994/105-207	1
3 m	891-8994/105-303	891-8994/105-305	891-8994/105-307	1
4 m	891-8994/105-403	891-8994/105-405	891-8994/105-407	1
5 m	891-8994/105-503	891-8994/105-505	891-8994/105-507	1
6 m	891-8994/105-603	891-8994/105-605	891-8994/105-607	1
7 m	891-8994/105-703	891-8994/105-705	891-8994/105-707	1
8 m	891-8994/105-803	891-8994/105-805	891-8994/105-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8994/205-103	891-8994/205-105	891-8994/205-107	1
2 m	891-8994/205-203	891-8994/205-205	891-8994/205-207	1
3 m	891-8994/205-303	891-8994/205-305	891-8994/205-307	1
4 m	891-8994/205-403	891-8994/205-405	891-8994/205-407	1
5 m	891-8994/205-503	891-8994/205-505	891-8994/205-507	1
6 m	891-8994/205-603	891-8994/205-605	891-8994/205-607	1
7 m	891-8994/205-703	891-8994/205-705	891-8994/205-707	1
8 m	891-8994/205-803	891-8994/205-805	891-8994/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

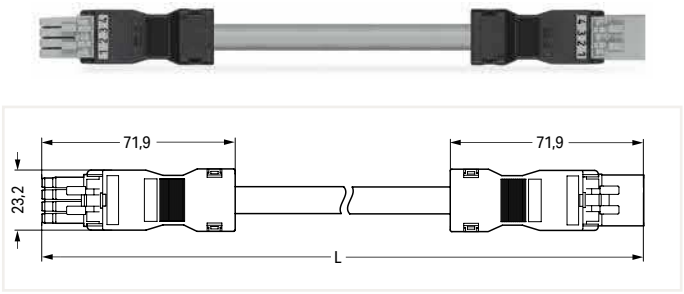
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

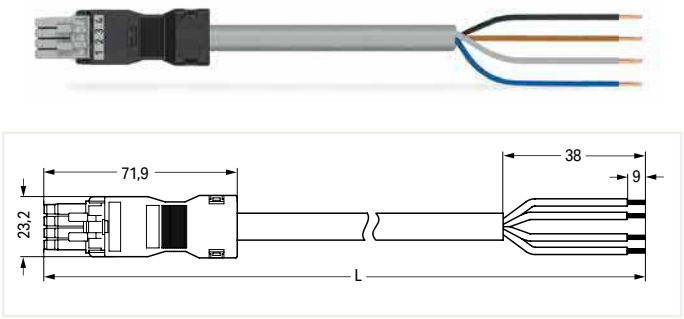
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

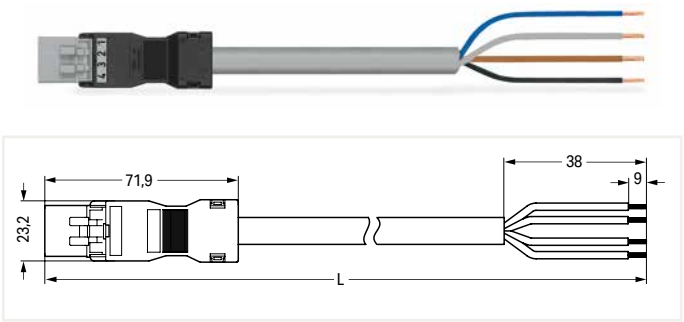
- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 8.4 … 10.5 mm ▸ Control line 4 x 1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8994/006-103	891-8994/006-105	891-8994/006-107	1
2 m	891-8994/006-203	891-8994/006-205	891-8994/006-207	1
3 m	891-8994/006-303	891-8994/006-305	891-8994/006-307	1
4 m	891-8994/006-403	891-8994/006-405	891-8994/006-407	1
5 m	891-8994/006-503	891-8994/006-505	891-8994/006-507	1
6 m	891-8994/006-603	891-8994/006-605	891-8994/006-607	1
7 m	891-8994/006-703	891-8994/006-705	891-8994/006-707	1
8 m	891-8994/006-803	891-8994/006-805	891-8994/006-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8994/106-103	891-8994/106-105	891-8994/106-107	1
2 m	891-8994/106-203	891-8994/106-205	891-8994/106-207	1
3 m	891-8994/106-303	891-8994/106-305	891-8994/106-307	1
4 m	891-8994/106-403	891-8994/106-405	891-8994/106-407	1
5 m	891-8994/106-503	891-8994/106-505	891-8994/106-507	1
6 m	891-8994/106-603	891-8994/106-605	891-8994/106-607	1
7 m	891-8994/106-703	891-8994/106-705	891-8994/106-707	1
8 m	891-8994/106-803	891-8994/106-805	891-8994/106-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8994/206-103	891-8994/206-105	891-8994/206-107	1
2 m	891-8994/206-203	891-8994/206-205	891-8994/206-207	1
3 m	891-8994/206-303	891-8994/206-305	891-8994/206-307	1
4 m	891-8994/206-403	891-8994/206-405	891-8994/206-407	1
5 m	891-8994/206-503	891-8994/206-505	891-8994/206-507	1
6 m	891-8994/206-603	891-8994/206-605	891-8994/206-607	1
7 m	891-8994/206-703	891-8994/206-705	891-8994/206-707	1
8 m	891-8994/206-803	891-8994/206-805	891-8994/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load 10 A for 4- and 5-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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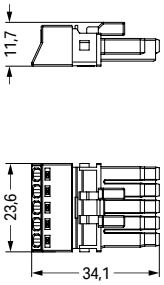
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 5

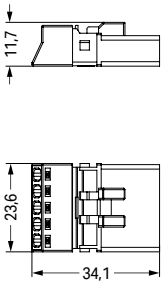
Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-245	50
gray	B	N ⏚ L1 L2 L3	890-245/060-000	50
gray	B	N PE 3 2 1	890-245/062-000	50
light green	B	1 2 3 4 5	890-265	50
light green	B	1 ⏚ 2 3 4	890-265/073-000	50
pink	B	1 2 3 4 5	890-285	50
pink	B	N ⏚ L I- I+	890-285/080-000	50
pink	B	N ⏚ L - +	890-285/082-000	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-255	50
gray	B	N ⏚ L1 L2 L3	890-255/060-000	50
gray	B	N PE 3 2 1	890-255/062-000	50
light green	B	1 2 3 4 5	890-275	50
light green	B	1 ⏚ 2 3 4	890-275/073-000	50
pink	B	1 2 3 4 5	890-295	50
pink	B	N ⏚ L I- I+	890-295/080-000	50
pink	B	N ⏚ L - +	890-295/082-000	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 5

Item No.	PU
890-385	1

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length: 45 mm

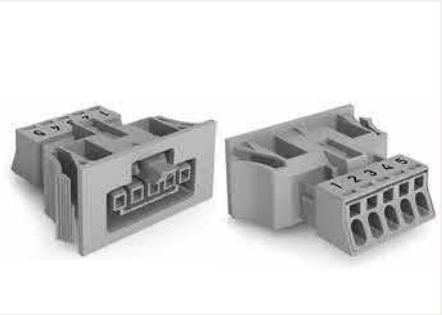
Color	Item No.	PU
black	890-505	50
white	890-515	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 5



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

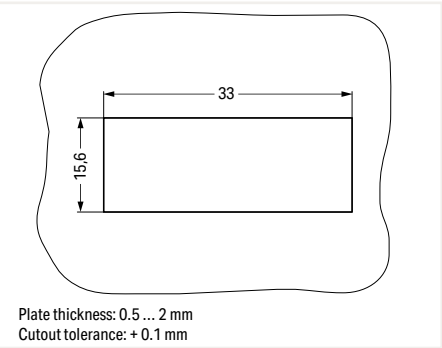


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load 10 A for 4- and 5-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.75 mm² / 20 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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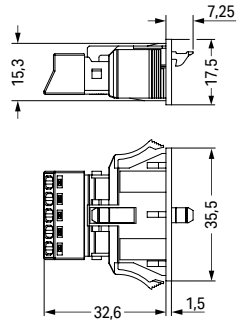
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 5

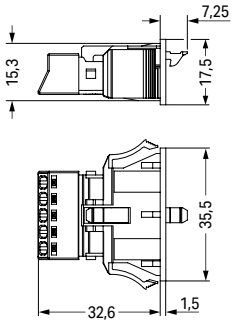
Female connector/socket

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3 4 5	890-745	50 (50)
gray	B	N ⏚ L1 L2 L3	890-745/060-000	50 (50)
gray	B	N PE 3 2 1	890-745/062-000	50 (50)
light green	B	1 2 3 4 5	890-765	50 (50)
light green	B	1 ⏚ 2 3 4	890-765/073-000	50 (50)
pink	B	N ⏚ L I- I+	890-785/080-000	50 (50)
pink	B	N ⏚ L - +	890-785/082-000	50 (50)



Male connector/plug

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3 4 5	890-755	50 (50)
gray	B	N ⏚ L1 L2 L3	890-755/060-000	50 (50)
gray	B	N PE 3 2 1	890-755/062-000	50 (50)
light green	B	1 ⏚ 2 3 4	890-775/073-000	50 (50)
pink	B	N ⏚ L I- I+	890-795/080-000	50 (50)
pink	B	N ⏚ L - +	890-795/082-000	50 (50)



Accessories; for all products on this page

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

Operating tool; for *WINSTA*® MINI connectors; No. of poles: 5

Item No.	PU
890-385	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	
Note on rated current	13 A for 3-pole load 10 A for 4- and 5-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.3^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

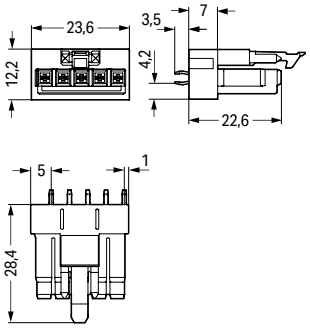
Additional information, see “Technical Section”

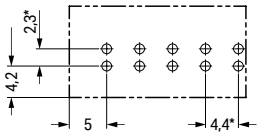
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 5

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-845	50
light green	B	1 2 3 4 5	890-865	50
pink	B	1 2 3 4 5	890-885	50

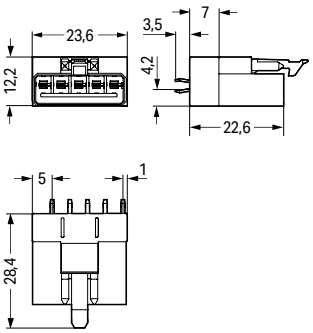


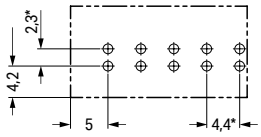


* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-855	50
light green	B	1 2 3 4 5	890-875	50
pink	B	1 2 3 4 5	890-895	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

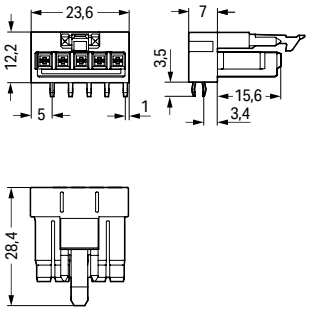
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

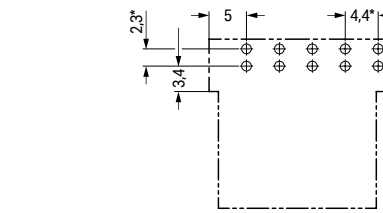
Pluggable PCB Connector ▸ *WINSTA*® MINI special ▸ 890 Series
No. of poles: 5

2

Angled ▸ Female connector/socket

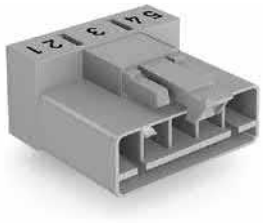
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-845/011-000	50
light green	B	1 2 3 4 5	890-865/011-000	50
pink	B	1 2 3 4 5	890-885/011-000	50



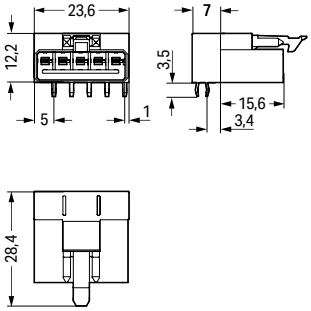


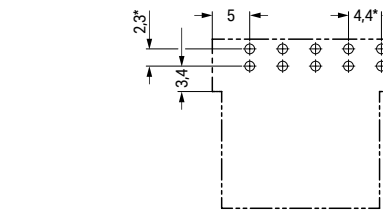
* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Angled ▸ Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-855/011-000	50
light green	B	1 2 3 4 5	890-875/011-000	50
pink	B	1 2 3 4 5	890-895/011-000	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 5 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Note on rated current				13 A for 3-pole load 10 A for 4- and 5-pole load		
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	12 A			12 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

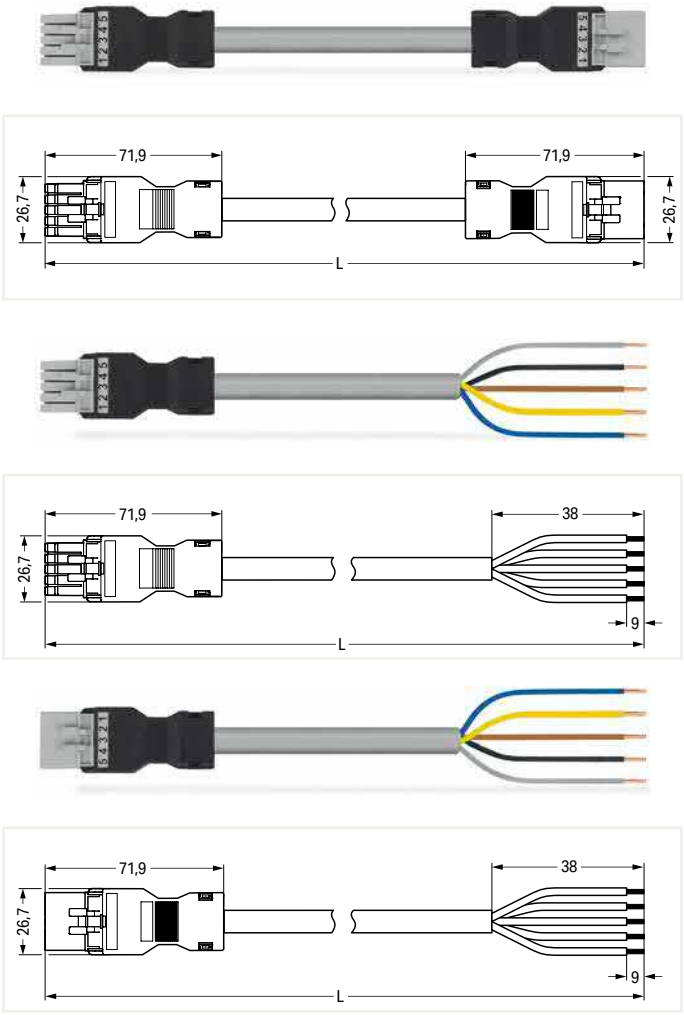
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 7.8 … 9.3 mm ▸ Control line 5 x 1



Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8995/005-103	891-8995/005-105	891-8995/005-107	1
2 m	891-8995/005-203	891-8995/005-205	891-8995/005-207	1
3 m	891-8995/005-303	891-8995/005-305	891-8995/005-307	1
4 m	891-8995/005-403	891-8995/005-405	891-8995/005-407	1
5 m	891-8995/005-503	891-8995/005-505	891-8995/005-507	1
6 m	891-8995/005-603	891-8995/005-605	891-8995/005-607	1
7 m	891-8995/005-703	891-8995/005-705	891-8995/005-707	1
8 m	891-8995/005-803	891-8995/005-805	891-8995/005-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8995/105-103	891-8995/105-105	891-8995/105-107	1
2 m	891-8995/105-203	891-8995/105-205	891-8995/105-207	1
3 m	891-8995/105-303	891-8995/105-305	891-8995/105-307	1
4 m	891-8995/105-403	891-8995/105-405	891-8995/105-407	1
5 m	891-8995/105-503	891-8995/105-505	891-8995/105-507	1
6 m	891-8995/105-603	891-8995/105-605	891-8995/105-607	1
7 m	891-8995/105-703	891-8995/105-705	891-8995/105-707	1
8 m	891-8995/105-803	891-8995/105-805	891-8995/105-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8995/205-103	891-8995/205-105	891-8995/205-107	1
2 m	891-8995/205-203	891-8995/205-205	891-8995/205-207	1
3 m	891-8995/205-303	891-8995/205-305	891-8995/205-307	1
4 m	891-8995/205-403	891-8995/205-405	891-8995/205-407	1
5 m	891-8995/205-503	891-8995/205-505	891-8995/205-507	1
6 m	891-8995/205-603	891-8995/205-605	891-8995/205-607	1
7 m	891-8995/205-703	891-8995/205-705	891-8995/205-707	1
8 m	891-8995/205-803	891-8995/205-805	891-8995/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
black	890-310	100
white	890-311	100

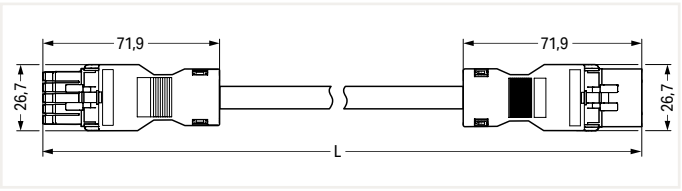
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

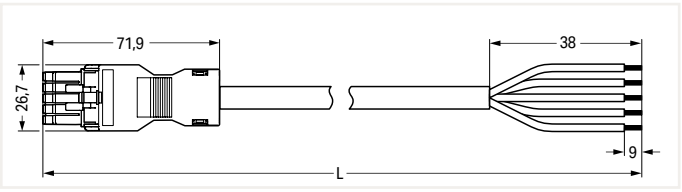
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

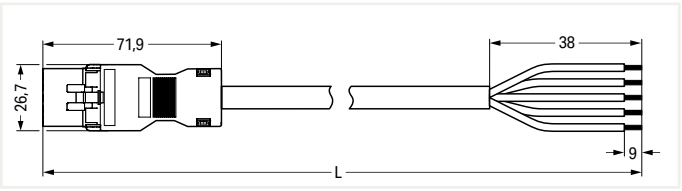
- Other pole markings

Cable Assembly ▸ *WINSTA*® MINI special ▸ 891 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 9.3 … 11.6 mm ▸ Control line 5 x 1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8995/006-103	891-8995/006-105	891-8995/006-107	1
2 m	891-8995/006-203	891-8995/006-205	891-8995/006-207	1
3 m	891-8995/006-303	891-8995/006-305	891-8995/006-307	1
4 m	891-8995/006-403	891-8995/006-405	891-8995/006-407	1
5 m	891-8995/006-503	891-8995/006-505	891-8995/006-507	1
6 m	891-8995/006-603	891-8995/006-605	891-8995/006-607	1
7 m	891-8995/006-703	891-8995/006-705	891-8995/006-707	1
8 m	891-8995/006-803	891-8995/006-805	891-8995/006-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8995/106-103	891-8995/106-105	891-8995/106-107	1
2 m	891-8995/106-203	891-8995/106-205	891-8995/106-207	1
3 m	891-8995/106-303	891-8995/106-305	891-8995/106-307	1
4 m	891-8995/106-403	891-8995/106-405	891-8995/106-407	1
5 m	891-8995/106-503	891-8995/106-505	891-8995/106-507	1
6 m	891-8995/106-603	891-8995/106-605	891-8995/106-607	1
7 m	891-8995/106-703	891-8995/106-705	891-8995/106-707	1
8 m	891-8995/106-803	891-8995/106-805	891-8995/106-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	891-8995/206-103	891-8995/206-105	891-8995/206-107	1
2 m	891-8995/206-203	891-8995/206-205	891-8995/206-207	1
3 m	891-8995/206-303	891-8995/206-305	891-8995/206-307	1
4 m	891-8995/206-403	891-8995/206-405	891-8995/206-407	1
5 m	891-8995/206-503	891-8995/206-505	891-8995/206-507	1
6 m	891-8995/206-603	891-8995/206-605	891-8995/206-607	1
7 m	891-8995/206-703	891-8995/206-705	891-8995/206-707	1
8 m	891-8995/206-803	891-8995/206-805	891-8995/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

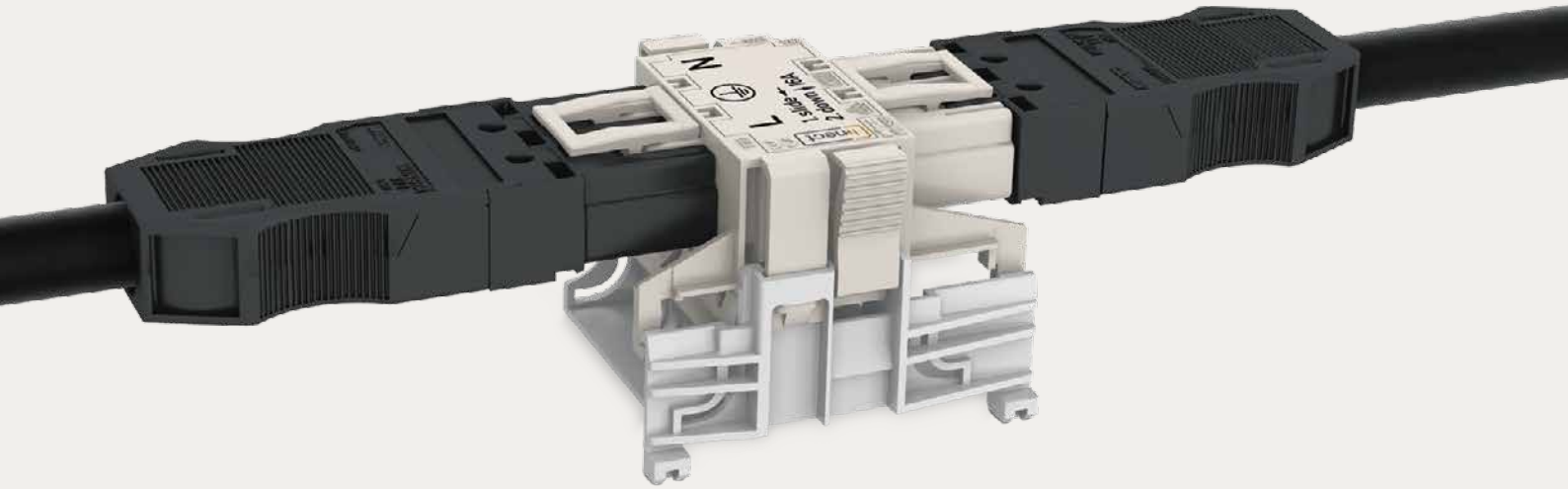
Mounting adapter; for 2- to 5-pole for flying leads

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings



WAGO Pluggable Connection System *WINSTA*® MIDI

PUSH-IN CAGE CLAMP®

WAGO Pluggable Connection System *WINSTA*® MIDI ▸ 770, 771 Series
4 mm² / 25 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

3

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Linect® T-Connectors; 770 Series	
2-pole	178
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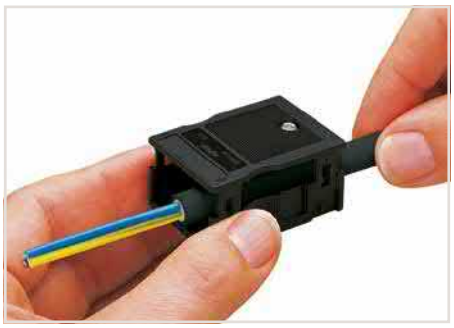
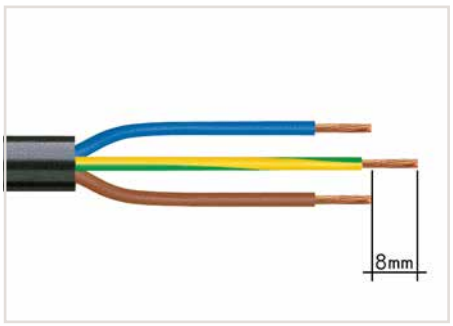
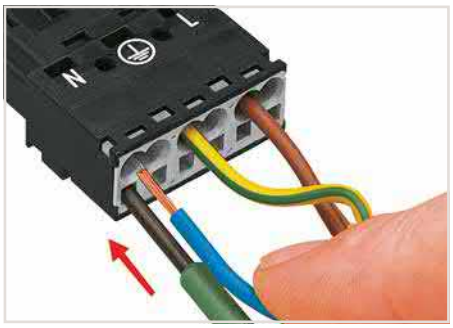
WINSTA® MIDI ▸ 770, 771 Series
Installation



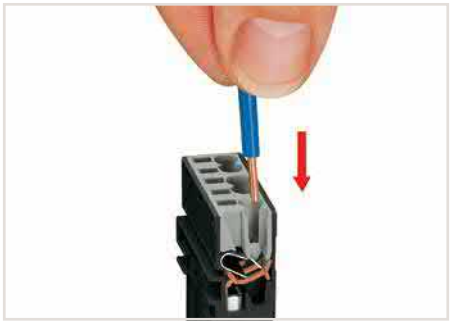
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



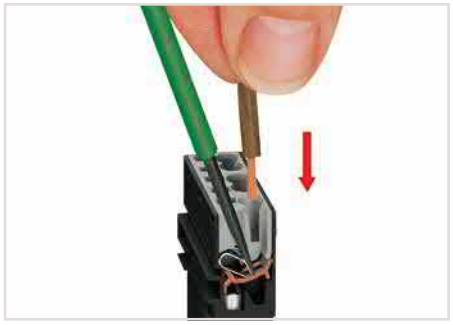
1. Strip length, outer insulation = x mm ❶
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



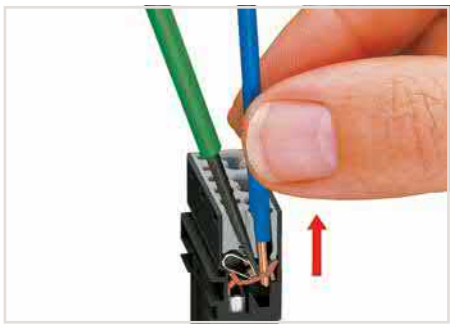
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.



Insert the stripped solid conductor until it hits backstop.

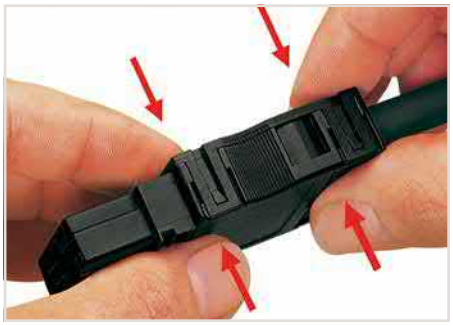


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

Latch the strain relief housing on the plug/socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.

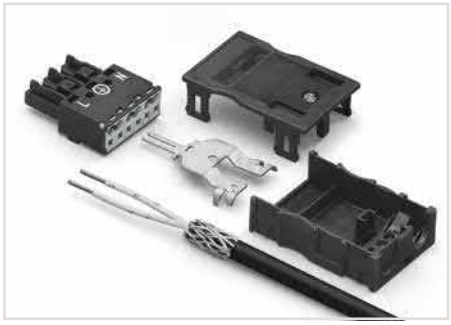
Tighten strain relief screw via screwdriver (2.5 mm blade width).

Simply cut off the coding pin from the socket.

Insert coding pin into plug (break first) until it engages.

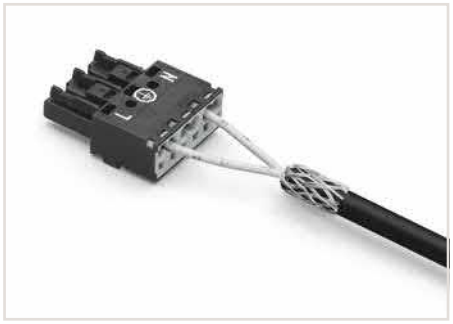
Marking strain relief housing via WSB Quick Marking System.

❶ Strip length, outer insulation: 2-pole = 35 mm, 3- to 5-pole = 55 mm

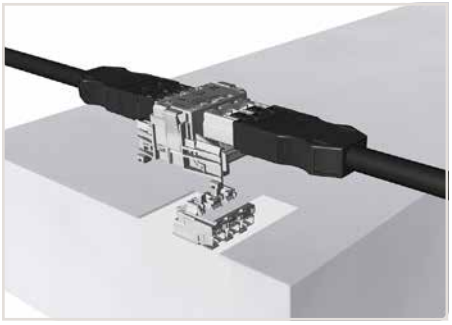


Connector with shield termination

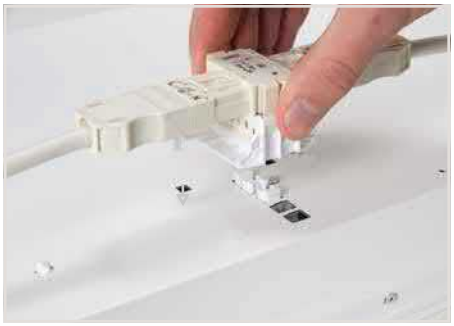
the light connection system



Apply the shield to the rubber cable.
Strip length, outer insulation = 55 mm
Shield length = 10 mm

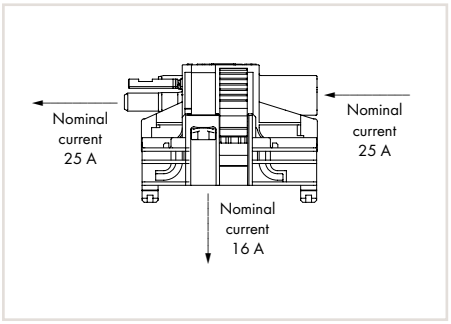


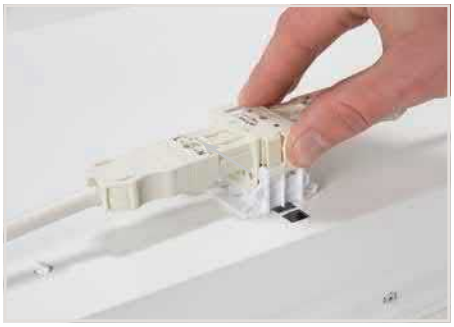
Connecting a T-connector to a 294 Series lighting connector.



Align the T-connector with the square cutouts.

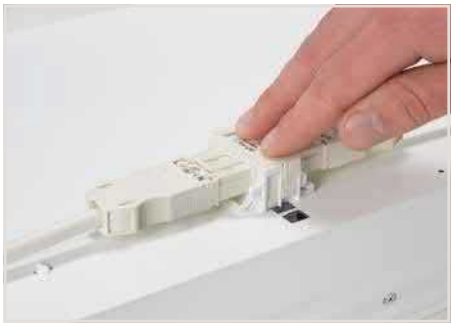
Push the shield connecting plate into the connector until fully inserted.





Move the T-connector toward the square cutouts until it is locked in position.

First insert the wired connector into strain relief housing, then snap cover and tighten screw.



Push down until fully engaged – done!

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 2 ▸ Number of connection points: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges

3

Electrical Data			
Coding	A / I / L		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

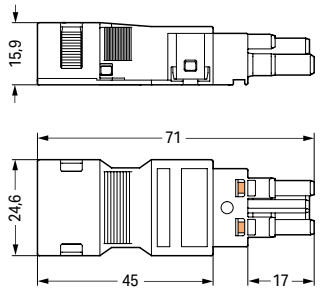
Strain relief	Page 489
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

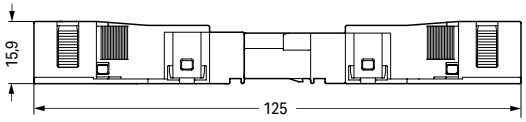
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series

No. of poles: 2 ▸ Number of connection points: 2 ▸ Cable diameter: 7 … 10.5 mm

Strain relief housing ▸ Female connector/socket ▸ Strip length: 35 mm

Color	Coding	Marking	Item No.	PU
black	A	L N	770-102/041-000	25
white	A	L N	770-122/041-000	25

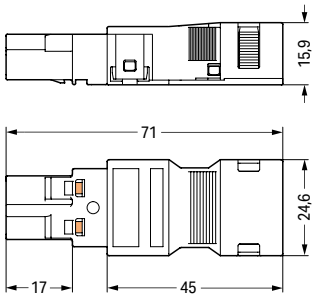


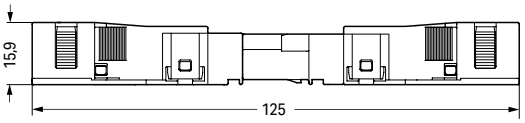


Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Strip length: 35 mm

Color	Coding	Marking	Item No.	PU
black	A	L N	770-112/041-000	25
white	A	L N	770-132/041-000	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 2

Item No.	PU
770-382	1

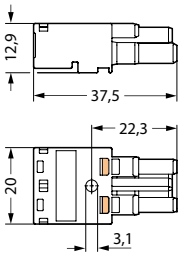
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 2 ▸ Number of connection points: 2

3

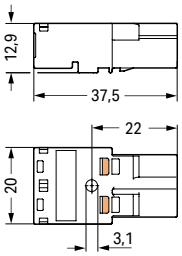
Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L N	770-202	100
white	A	L N	770-222	100
blue	I	DA+ DA-	770-1102	100
dark gray	L	L' N'	770-1162	100



Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L N	770-212	100
white	A	L N	770-232	100
blue	I	DA+ DA-	770-1112	100
dark gray	L	L' N'	770-1172	100



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 2

Item No.	PU
770-382	1

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length: 35 mm

Color	Item No.	PU
black	770-502/042-000	50
white	770-512/042-000	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges

3

Electrical Data			
Coding	A / I / L		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

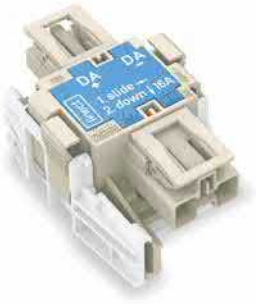
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Additional information, see “Technical Section”

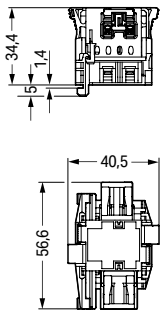
Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 2

Linect® T-connector

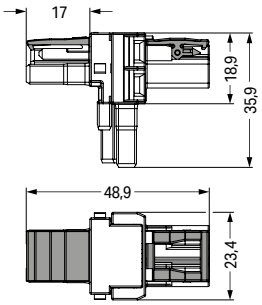


Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA-	770-7102	25
dark gray	L	L' N'	770-7502	25



T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	L N	770-1606	50
white	A	L N	770-1656	50



Item-Specific Accessories

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

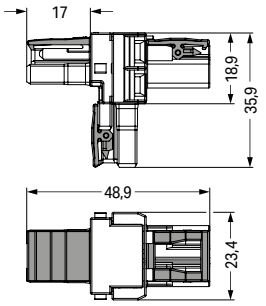
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 2

3

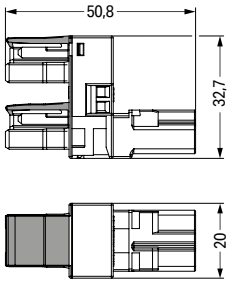
T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
● black	A	L N	770-1615	50
○ white	A	L N	770-1665	50



h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
● black	A	L N	770-1634	50
○ white	A	L N	770-1684	50



Item-Specific Accessories

Mounting adapter; for T-distribution connector; for 2- to 5-pole

	Item No.	PU
	770-354	50

Item-Specific Accessories

Mounting plate; for distribution connector; No. of poles: 2

Color	Item No.	PU
● black	770-1626	25
○	770-1627	25

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
● yellow	770-360	100

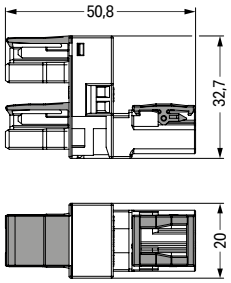
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 2

h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Fig. similar

Color	Coding	Marking	Item No.	PU
black	A	L N	770-1636	50
white	A	L N	770-1686	50



3

Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 2

Color	Item No.	PU
black	770-1626	25
	770-1627	25

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series
No. of poles: 2 ▸ Protection class: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges

3

Electrical Data						
Coding	**A / I / L**			**A / L**		
Cross section of single conductor	**1.5 mm²**			**2.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

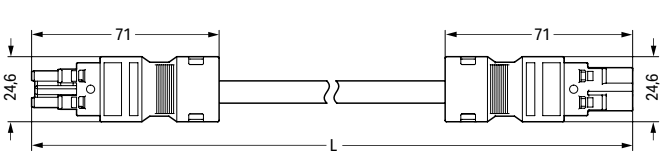
Marking Page 511

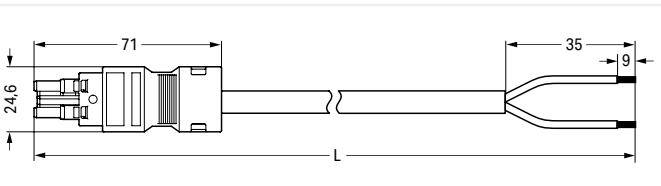
Additional information, see “Technical Section”

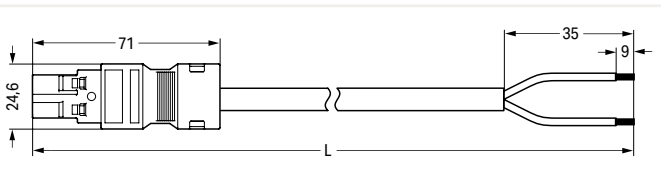
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L N ▸ PVC ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/006-101	771-8992/006-102		1
2 m	771-8992/006-201	771-8992/006-202		1
3 m	771-8992/006-301	771-8992/006-302		1
4 m	771-8992/006-401	771-8992/006-402		1
5 m	771-8992/006-501	771-8992/006-502		1
6 m	771-8992/006-601	771-8992/006-602		1
7 m	771-8992/006-701	771-8992/006-702		1
8 m	771-8992/006-801	771-8992/006-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/106-101	771-8992/106-102		1
2 m	771-8992/106-201	771-8992/106-202		1
3 m	771-8992/106-301	771-8992/106-302		1
4 m	771-8992/106-401	771-8992/106-402		1
5 m	771-8992/106-501	771-8992/106-502		1
6 m	771-8992/106-601	771-8992/106-602		1
7 m	771-8992/106-701	771-8992/106-702		1
8 m	771-8992/106-801	771-8992/106-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/206-101	771-8992/206-102		1
2 m	771-8992/206-201	771-8992/206-202		1
3 m	771-8992/206-301	771-8992/206-302		1
4 m	771-8992/206-401	771-8992/206-402		1
5 m	771-8992/206-501	771-8992/206-502		1
6 m	771-8992/206-601	771-8992/206-602		1
7 m	771-8992/206-701	771-8992/206-702		1
8 m	771-8992/206-801	771-8992/206-802		1

3

Accessories; for all products on this page

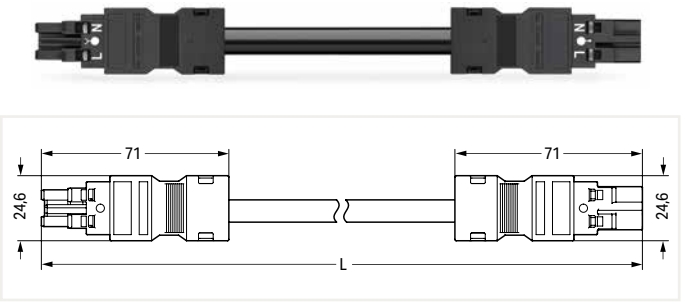
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

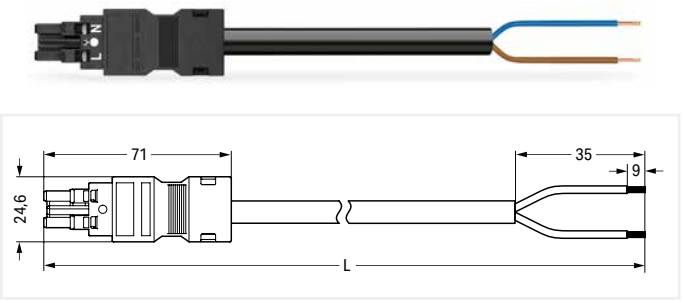
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L N ▸ Halogen-free ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5



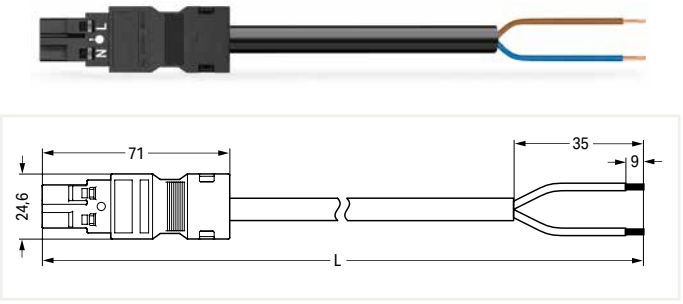
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/016-101	771-8992/016-102		1
2 m	771-8992/016-201	771-8992/016-202		1
3 m	771-8992/016-301	771-8992/016-302		1
4 m	771-8992/016-401	771-8992/016-402		1
5 m	771-8992/016-501	771-8992/016-502		1
6 m	771-8992/016-601	771-8992/016-602		1
7 m	771-8992/016-701	771-8992/016-702		1
8 m	771-8992/016-801	771-8992/016-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/116-101	771-8992/116-102		1
2 m	771-8992/116-201	771-8992/116-202		1
3 m	771-8992/116-301	771-8992/116-302		1
4 m	771-8992/116-401	771-8992/116-402		1
5 m	771-8992/116-501	771-8992/116-502		1
6 m	771-8992/116-601	771-8992/116-602		1
7 m	771-8992/116-701	771-8992/116-702		1
8 m	771-8992/116-801	771-8992/116-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/216-101	771-8992/216-102		1
2 m	771-8992/216-201	771-8992/216-202		1
3 m	771-8992/216-301	771-8992/216-302		1
4 m	771-8992/216-401	771-8992/216-402		1
5 m	771-8992/216-501	771-8992/216-502		1
6 m	771-8992/216-601	771-8992/216-602		1
7 m	771-8992/216-701	771-8992/216-702		1
8 m	771-8992/216-801	771-8992/216-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

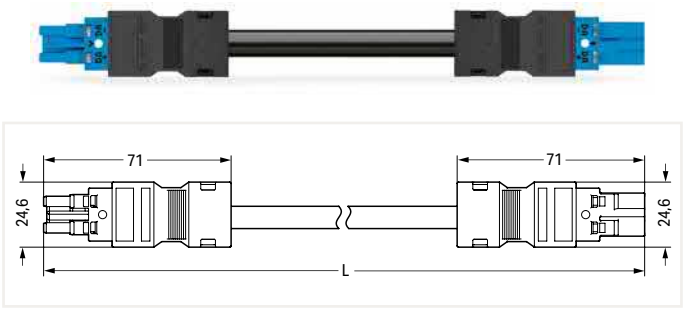
Locking lever, for flying leads; tool operated

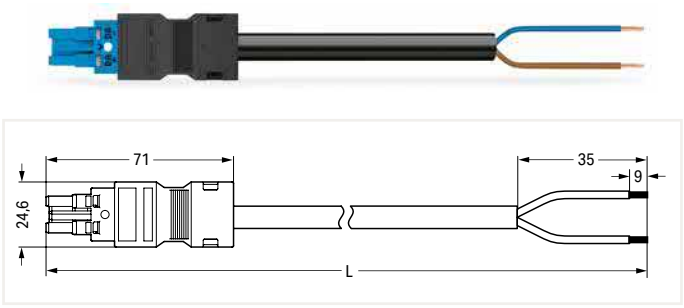
Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

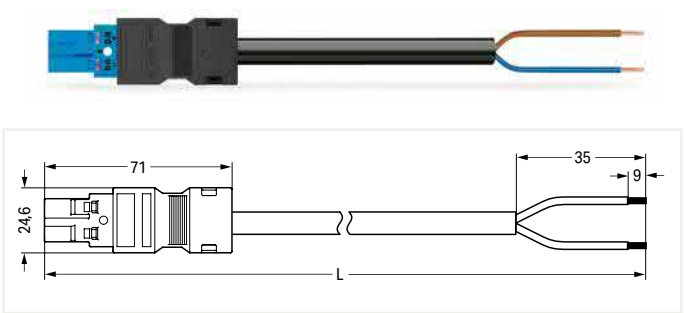
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: I ▸ Marking: DA+ DA- ▸ PVC ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5 ▸ for dimming function (e.g., DALI)







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-8982/006-101	771-8982/006-102		1
2 m	771-8982/006-201	771-8982/006-202		1
3 m	771-8982/006-301	771-8982/006-302		1
4 m	771-8982/006-401	771-8982/006-402		1
5 m	771-8982/006-501	771-8982/006-502		1
6 m	771-8982/006-601	771-8982/006-602		1
7 m	771-8982/006-701	771-8982/006-702		1
8 m	771-8982/006-801	771-8982/006-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-8982/106-101	771-8982/106-102		1
2 m	771-8982/106-201	771-8982/106-202		1
3 m	771-8982/106-301	771-8982/106-302		1
4 m	771-8982/106-401	771-8982/106-402		1
5 m	771-8982/106-501	771-8982/106-502		1
6 m	771-8982/106-601	771-8982/106-602		1
7 m	771-8982/106-701	771-8982/106-702		1
8 m	771-8982/106-801	771-8982/106-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-8982/206-101	771-8982/206-102		1
2 m	771-8982/206-201	771-8982/206-202		1
3 m	771-8982/206-301	771-8982/206-302		1
4 m	771-8982/206-401	771-8982/206-402		1
5 m	771-8982/206-501	771-8982/206-502		1
6 m	771-8982/206-601	771-8982/206-602		1
7 m	771-8982/206-701	771-8982/206-702		1
8 m	771-8982/206-801	771-8982/206-802		1

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Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

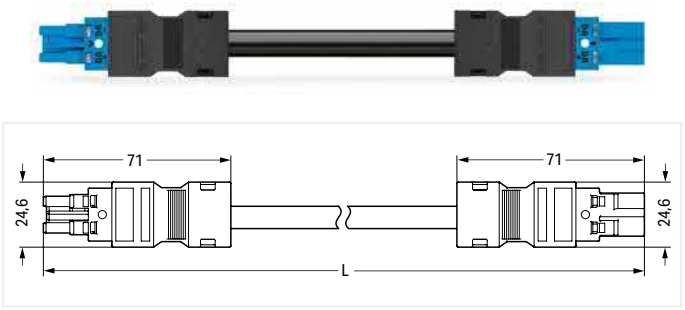
Locking lever, for flying leads; tool operated

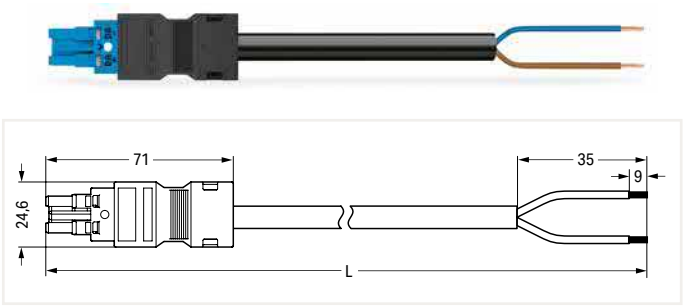
Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

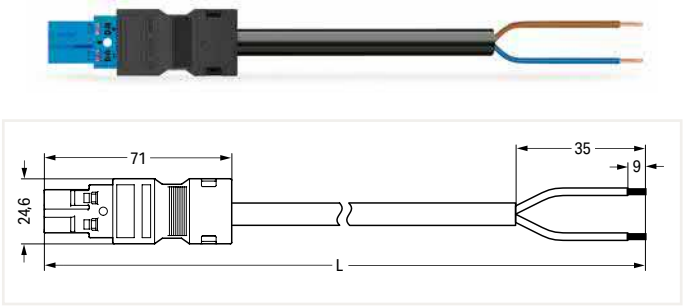
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: I ▸ Marking: DA+ DA- ▸ Halogen-free ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5 ▸ for dimming function (e.g., DALI)







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-8982/016-101	771-8982/016-102		1
2 m	771-8982/016-201	771-8982/016-202		1
3 m	771-8982/016-301	771-8982/016-302		1
4 m	771-8982/016-401	771-8982/016-402		1
5 m	771-8982/016-501	771-8982/016-502		1
6 m	771-8982/016-601	771-8982/016-602		1
7 m	771-8982/016-701	771-8982/016-702		1
8 m	771-8982/016-801	771-8982/016-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-8982/116-101	771-8982/116-102		1
2 m	771-8982/116-201	771-8982/116-202		1
3 m	771-8982/116-301	771-8982/116-302		1
4 m	771-8982/116-401	771-8982/116-402		1
5 m	771-8982/116-501	771-8982/116-502		1
6 m	771-8982/116-601	771-8982/116-602		1
7 m	771-8982/116-701	771-8982/116-702		1
8 m	771-8982/116-801	771-8982/116-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-8982/216-101	771-8982/216-102		1
2 m	771-8982/216-201	771-8982/216-202		1
3 m	771-8982/216-301	771-8982/216-302		1
4 m	771-8982/216-401	771-8982/216-402		1
5 m	771-8982/216-501	771-8982/216-502		1
6 m	771-8982/216-601	771-8982/216-602		1
7 m	771-8982/216-701	771-8982/216-702		1
8 m	771-8982/216-801	771-8982/216-802		1

Accessories; for all products on this page

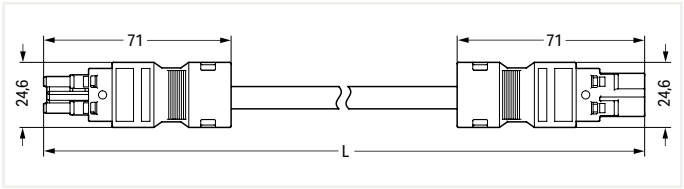
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

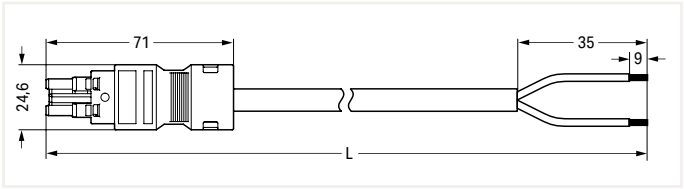
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

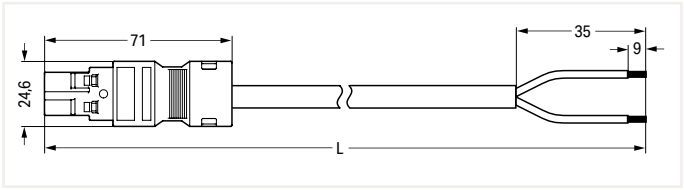
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: L ▸ Marking: L' N' ▸ PVC ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/006-103	771-8982/006-104		1
2 m	771-8982/006-203	771-8982/006-204		1
3 m	771-8982/006-303	771-8982/006-304		1
4 m	771-8982/006-403	771-8982/006-404		1
5 m	771-8982/006-503	771-8982/006-504		1
6 m	771-8982/006-603	771-8982/006-604		1
7 m	771-8982/006-703	771-8982/006-704		1
8 m	771-8982/006-803	771-8982/006-804		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/106-103	771-8982/106-104		1
2 m	771-8982/106-203	771-8982/106-204		1
3 m	771-8982/106-303	771-8982/106-304		1
4 m	771-8982/106-403	771-8982/106-404		1
5 m	771-8982/106-503	771-8982/106-504		1
6 m	771-8982/106-603	771-8982/106-604		1
7 m	771-8982/106-703	771-8982/106-704		1
8 m	771-8982/106-803	771-8982/106-804		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/206-103	771-8982/206-104		1
2 m	771-8982/206-203	771-8982/206-204		1
3 m	771-8982/206-303	771-8982/206-304		1
4 m	771-8982/206-403	771-8982/206-404		1
5 m	771-8982/206-503	771-8982/206-504		1
6 m	771-8982/206-603	771-8982/206-604		1
7 m	771-8982/206-703	771-8982/206-704		1
8 m	771-8982/206-803	771-8982/206-804		1

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Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

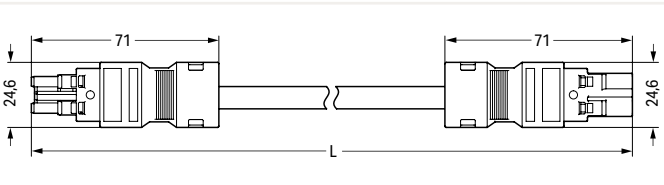
Locking lever, for flying leads; tool operated

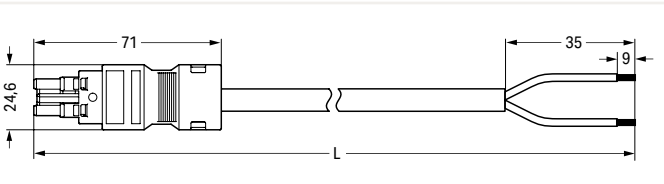
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

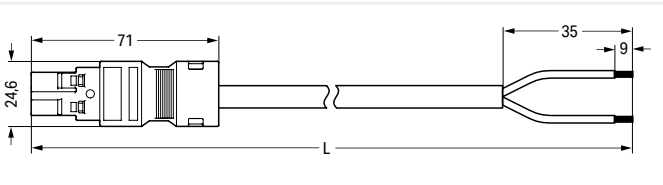
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: L ▸ Marking: L' N' ▸ Halogen-free ▸ Cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/016-103	771-8982/016-104		1
2 m	771-8982/016-203	771-8982/016-204		1
3 m	771-8982/016-303	771-8982/016-304		1
4 m	771-8982/016-403	771-8982/016-404		1
5 m	771-8982/016-503	771-8982/016-504		1
6 m	771-8982/016-603	771-8982/016-604		1
7 m	771-8982/016-703	771-8982/016-704		1
8 m	771-8982/016-803	771-8982/016-804		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm				
Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/116-103	771-8982/116-104		1
2 m	771-8982/116-203	771-8982/116-204		1
3 m	771-8982/116-303	771-8982/116-304		1
4 m	771-8982/116-403	771-8982/116-404		1
5 m	771-8982/116-503	771-8982/116-504		1
6 m	771-8982/116-603	771-8982/116-604		1
7 m	771-8982/116-703	771-8982/116-704		1
8 m	771-8982/116-803	771-8982/116-804		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm				
Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/216-103	771-8982/216-104		1
2 m	771-8982/216-203	771-8982/216-204		1
3 m	771-8982/216-303	771-8982/216-304		1
4 m	771-8982/216-403	771-8982/216-404		1
5 m	771-8982/216-503	771-8982/216-504		1
6 m	771-8982/216-603	771-8982/216-604		1
7 m	771-8982/216-703	771-8982/216-704		1
8 m	771-8982/216-803	771-8982/216-804		1

Accessories; for all products on this page

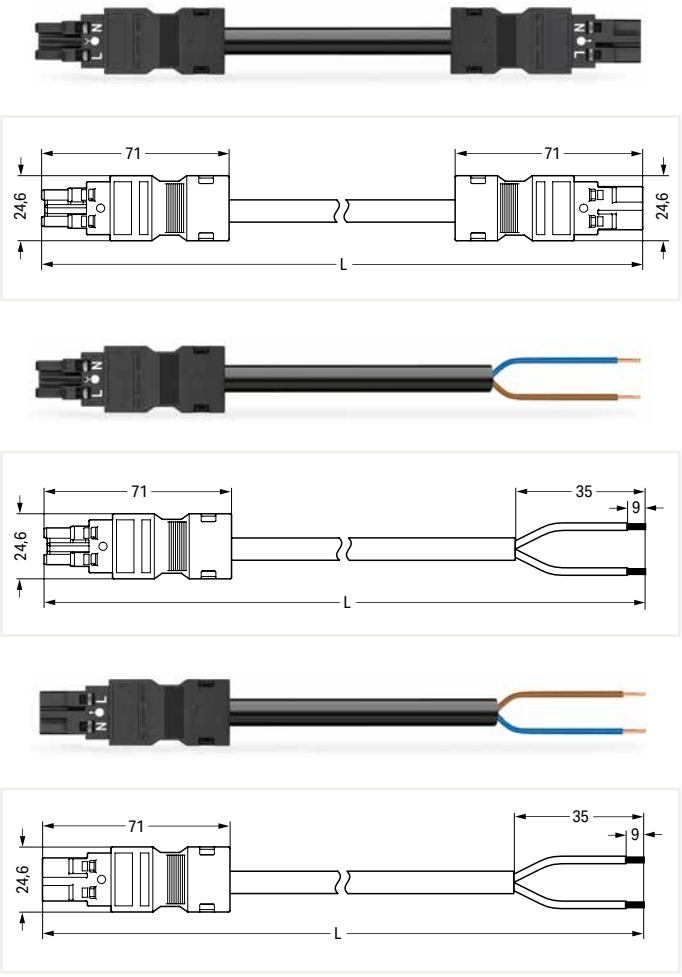
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L N ▸ PVC ▸ Cable diameter: 8.4 … 10.6 mm ▸ H05VV-F 2x2.5



Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/007-101	771-8992/007-102		1
2 m	771-8992/007-201	771-8992/007-202		1
3 m	771-8992/007-301	771-8992/007-302		1
4 m	771-8992/007-401	771-8992/007-402		1
5 m	771-8992/007-501	771-8992/007-502		1
6 m	771-8992/007-601	771-8992/007-602		1
7 m	771-8992/007-701	771-8992/007-702		1
8 m	771-8992/007-801	771-8992/007-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/107-101	771-8992/107-102		1
2 m	771-8992/107-201	771-8992/107-202		1
3 m	771-8992/107-301	771-8992/107-302		1
4 m	771-8992/107-401	771-8992/107-402		1
5 m	771-8992/107-501	771-8992/107-502		1
6 m	771-8992/107-601	771-8992/107-602		1
7 m	771-8992/107-701	771-8992/107-702		1
8 m	771-8992/107-801	771-8992/107-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/207-101	771-8992/207-102		1
2 m	771-8992/207-201	771-8992/207-202		1
3 m	771-8992/207-301	771-8992/207-302		1
4 m	771-8992/207-401	771-8992/207-402		1
5 m	771-8992/207-501	771-8992/207-502		1
6 m	771-8992/207-601	771-8992/207-602		1
7 m	771-8992/207-701	771-8992/207-702		1
8 m	771-8992/207-801	771-8992/207-802		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

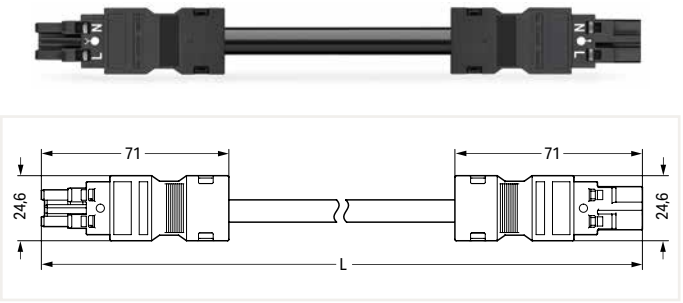
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

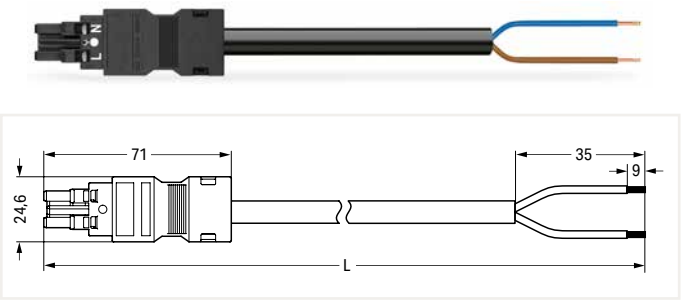
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L N ▸ Halogen-free ▸ Cable diameter: 8.4 … 10.6 mm ▸ H05Z1Z1-F 2x2.5



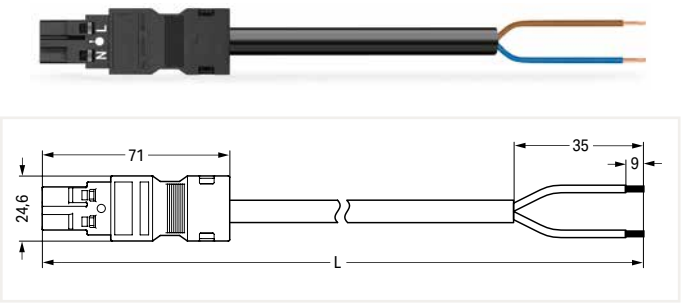
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/017-101	771-8992/017-102		1
2 m	771-8992/017-201	771-8992/017-202		1
3 m	771-8992/017-301	771-8992/017-302		1
4 m	771-8992/017-401	771-8992/017-402		1
5 m	771-8992/017-501	771-8992/017-502		1
6 m	771-8992/017-601	771-8992/017-602		1
7 m	771-8992/017-701	771-8992/017-702		1
8 m	771-8992/017-801	771-8992/017-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/117-101	771-8992/117-102		1
2 m	771-8992/117-201	771-8992/117-202		1
3 m	771-8992/117-301	771-8992/117-302		1
4 m	771-8992/117-401	771-8992/117-402		1
5 m	771-8992/117-501	771-8992/117-502		1
6 m	771-8992/117-601	771-8992/117-602		1
7 m	771-8992/117-701	771-8992/117-702		1
8 m	771-8992/117-801	771-8992/117-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8992/217-101	771-8992/217-102		1
2 m	771-8992/217-201	771-8992/217-202		1
3 m	771-8992/217-301	771-8992/217-302		1
4 m	771-8992/217-401	771-8992/217-402		1
5 m	771-8992/217-501	771-8992/217-502		1
6 m	771-8992/217-601	771-8992/217-602		1
7 m	771-8992/217-701	771-8992/217-702		1
8 m	771-8992/217-801	771-8992/217-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

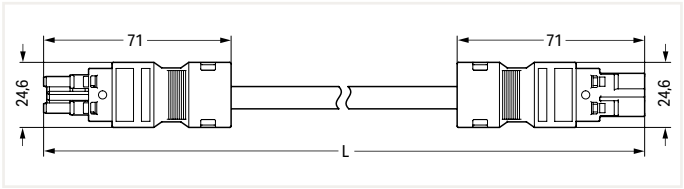
Locking lever, for flying leads; tool operated

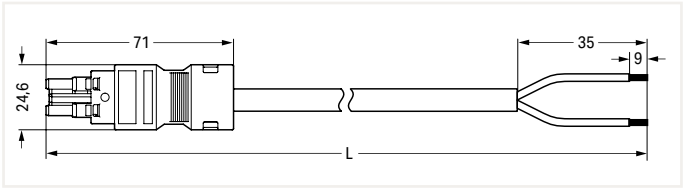
Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

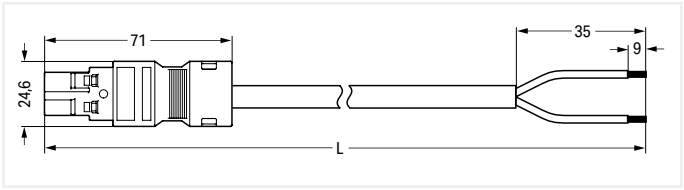
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: L ▸ Marking: L' N' ▸ PVC ▸ Cable diameter: 8.4 … 10.6 mm ▸ H05VV-F 2x2.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/007-103	771-8982/007-104		1
2 m	771-8982/007-203	771-8982/007-204		1
3 m	771-8982/007-303	771-8982/007-304		1
4 m	771-8982/007-403	771-8982/007-404		1
5 m	771-8982/007-503	771-8982/007-504		1
6 m	771-8982/007-603	771-8982/007-604		1
7 m	771-8982/007-703	771-8982/007-704		1
8 m	771-8982/007-803	771-8982/007-804		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/107-103	771-8982/107-104		1
2 m	771-8982/107-203	771-8982/107-204		1
3 m	771-8982/107-303	771-8982/107-304		1
4 m	771-8982/107-403	771-8982/107-404		1
5 m	771-8982/107-503	771-8982/107-504		1
6 m	771-8982/107-603	771-8982/107-604		1
7 m	771-8982/107-703	771-8982/107-704		1
8 m	771-8982/107-803	771-8982/107-804		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/207-103	771-8982/207-104		1
2 m	771-8982/207-203	771-8982/207-204		1
3 m	771-8982/207-303	771-8982/207-304		1
4 m	771-8982/207-403	771-8982/207-404		1
5 m	771-8982/207-503	771-8982/207-504		1
6 m	771-8982/207-603	771-8982/207-604		1
7 m	771-8982/207-703	771-8982/207-704		1
8 m	771-8982/207-803	771-8982/207-804		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

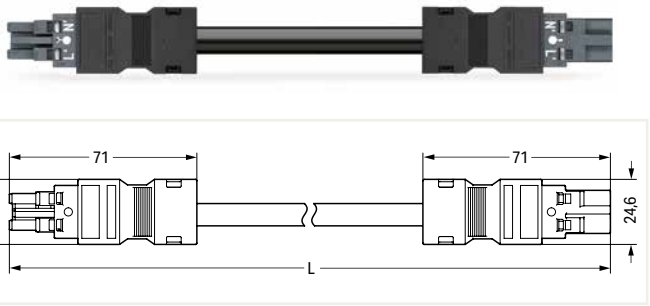
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

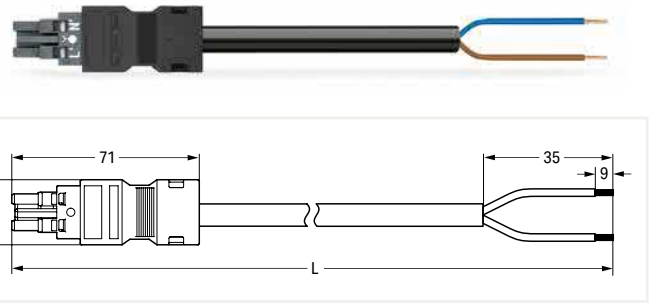
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: L ▸ Marking: L' N' ▸ Halogen-free ▸ Cable diameter: 8.4 … 10.6 mm ▸ H05Z1Z1-F 2x2.5



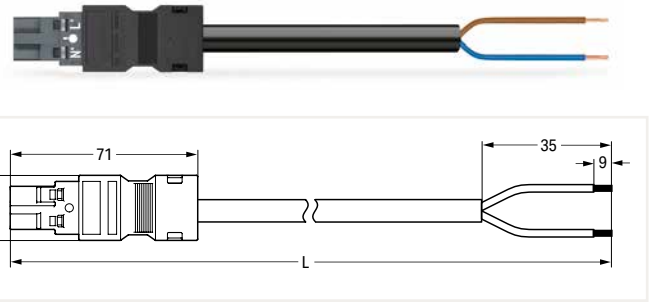
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/017-103	771-8982/017-104		1
2 m	771-8982/017-203	771-8982/017-204		1
3 m	771-8982/017-303	771-8982/017-304		1
4 m	771-8982/017-403	771-8982/017-404		1
5 m	771-8982/017-503	771-8982/017-504		1
6 m	771-8982/017-603	771-8982/017-604		1
7 m	771-8982/017-703	771-8982/017-704		1
8 m	771-8982/017-803	771-8982/017-804		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/117-103	771-8982/117-104		1
2 m	771-8982/117-203	771-8982/117-204		1
3 m	771-8982/117-303	771-8982/117-304		1
4 m	771-8982/117-403	771-8982/117-404		1
5 m	771-8982/117-503	771-8982/117-504		1
6 m	771-8982/117-603	771-8982/117-604		1
7 m	771-8982/117-703	771-8982/117-704		1
8 m	771-8982/117-803	771-8982/117-804		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 35 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8982/217-103	771-8982/217-104		1
2 m	771-8982/217-203	771-8982/217-204		1
3 m	771-8982/217-303	771-8982/217-304		1
4 m	771-8982/217-403	771-8982/217-404		1
5 m	771-8982/217-503	771-8982/217-504		1
6 m	771-8982/217-603	771-8982/217-604		1
7 m	771-8982/217-703	771-8982/217-704		1
8 m	771-8982/217-803	771-8982/217-804		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data			
Coding	A / P / R / S		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

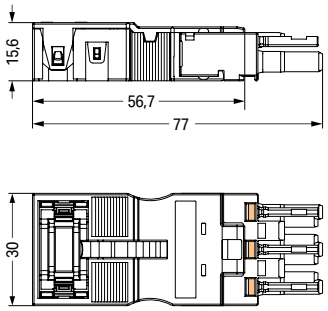
Coding	Page 486
Marking	Page 511
Shield connection	Page 489
Strain relief	Page 490
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

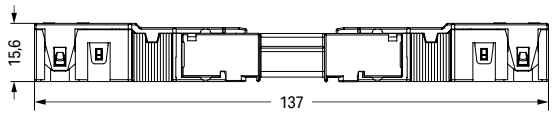
Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

Strain relief housing ▸ Female connector/socket ▸ Strip length: 48 mm ▸ Cable diameter: 7 … 11.5 mm ▸ for quick assembly

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	770-203/035-000	25
○ white	A	L ⏚ N	770-223/035-050	25

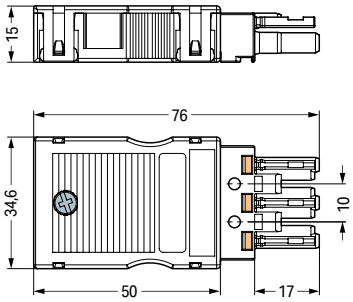


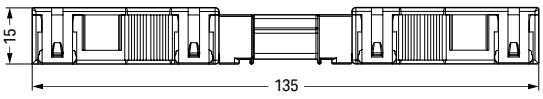


Overall length when mated

Strain relief housing ▸ Female connector/socket ▸ Strip length: 55 mm ▸ Cable diameter: 8 … 11.5 mm

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	770-103	25
○ white	A	L ⏚ N	770-123	25





Overall length when mated

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

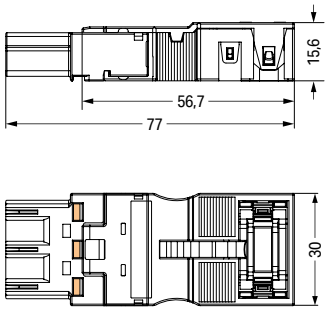
Item No.	PU
770-383	1

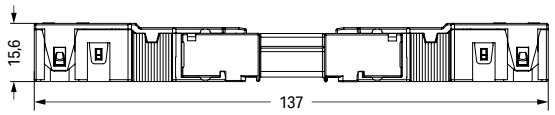
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

Strain relief housing ▸ Male connector/plug ▸ Strip length: 48 mm ▸ Cable diameter: 7 … 11.5 mm ▸ for quick assembly

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	770-213/035-000	25
○ white	A	L ⏚ N	770-233/035-050	25

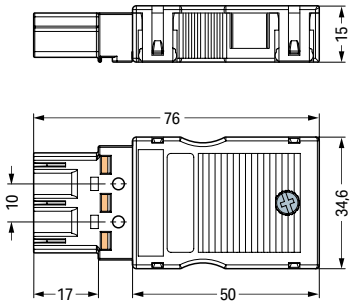


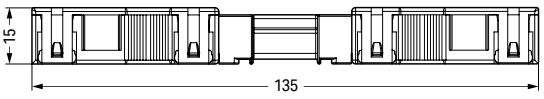


Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Strip length: 55 mm ▸ Cable diameter: 8 … 11.5 mm

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	770-113	25
○ white	A	L ⏚ N	770-133	25





Overall length when mated

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
● yellow	770-360	100

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

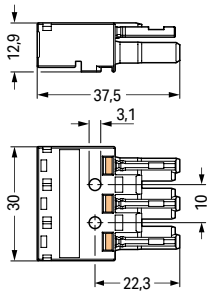
Item No.	PU
770-383	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-203	100
white	A	L ⏚ N	770-223	100
red	P	L ⏚ N	770-1303	100
orange	R	LON LON S	770-1343	100
brown	S	1 2 L	770-1363	100



Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

	Item No.	PU
	770-383	1

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-503	50
white	770-513	50

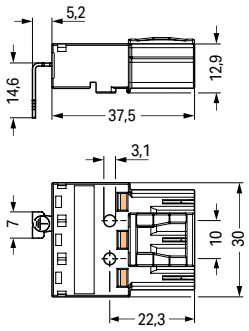
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

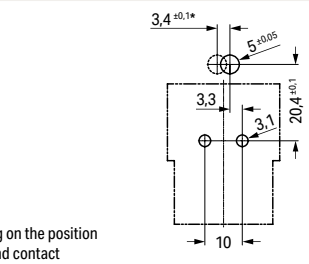
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

3

Male connector/plug ▸ with direct ground contact

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-213/002-000	100
white	A	L ⏚ N	770-233/002-000	100

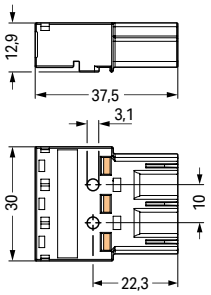




* Depending on the position of the ground contact

Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-213	100
white	A	L ⏚ N	770-233	100
red	P	L ⏚ N	770-1313	100
orange	R	LON LON S	770-1353	100
brown	S	1 2 L	770-1373	100



Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

	Item No.	PU
	770-383	1

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-503	50
white	770-513	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

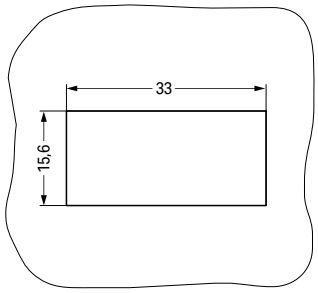


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data			
Coding	A / P / R / S		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

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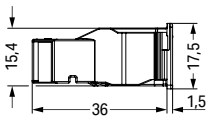
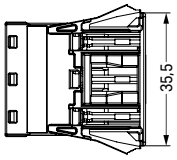
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

Female connector/socket

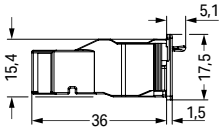
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-703	100
white	A	L ⏚ N	770-723	100
red	P	L ⏚ N	770-2303	100
orange	R	LON LON S	770-2343	100
brown	S	1 2 L	770-2363	100

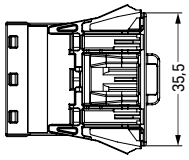




Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-713	100
white	A	L ⏚ N	770-733	100
red	P	L ⏚ N	770-2313	100
orange	R	LON LON S	770-2353	100





Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

Item No.	PU
770-383	1

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

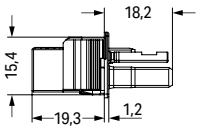
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

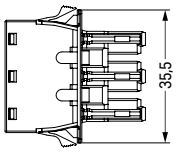
Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3 ▸ Number of connection points: 2

3

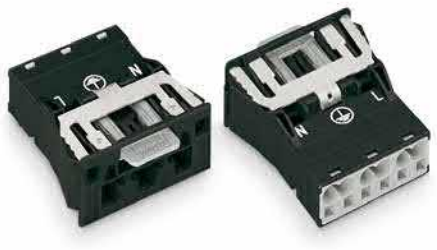
With protruding interface ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-703/009-000	100
white	A	L ⏚ N	770-723/009-000	100

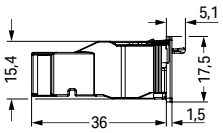


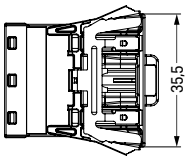


With direct ground contact ▸ Male connector/plug



Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-713/007-000	100
white	A	L ⏚ N	770-733/007-000	100
red	P	L ⏚ N	770-2313/007-000	100





Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

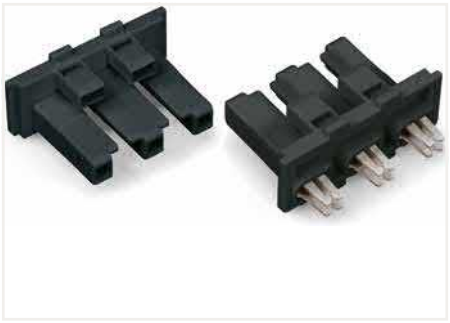
Item No.	PU
770-383	1

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data				
Coding	A			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

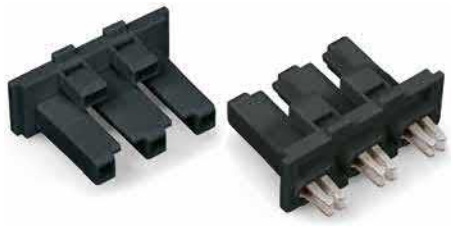
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Additional information, see “Technical Section”

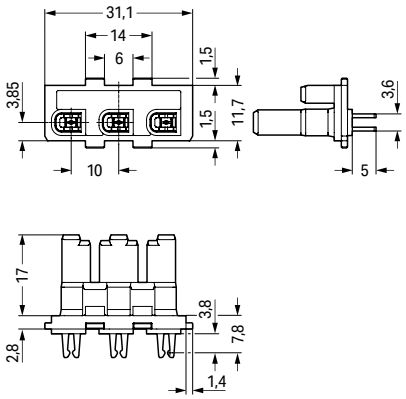
Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

Female connector/socket

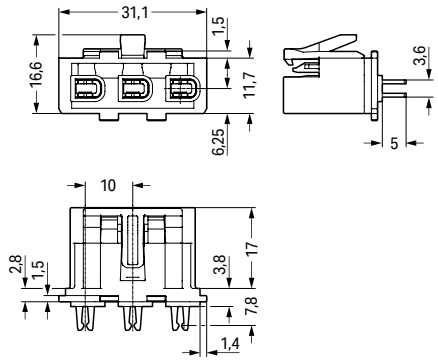


Color	Coding	Aufdruck	Item No.	PU
black	A		770-408	100
white	A		770-428	100



Male connector/plug

Color	Coding	Aufdruck	Item No.	PU
black	A		770-418	100
white	A		770-438	100



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	-	-
Rated impulse voltage	4 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.5^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

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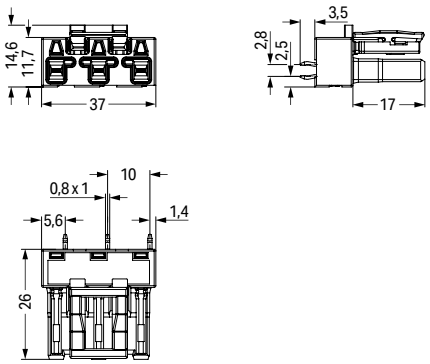
Additional information, see “Technical Section”

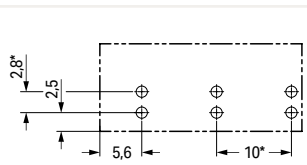
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-803	100
white	A	L ⏚ N	770-823	100

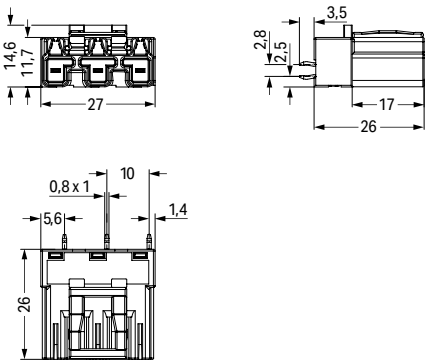


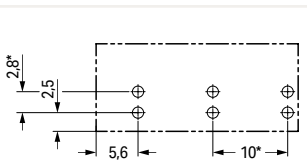


* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-813	100
white	A	L ⏚ N	770-833	100





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

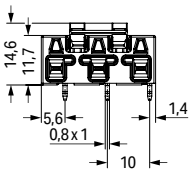
Color	Item No.	PU
yellow	770-360	100

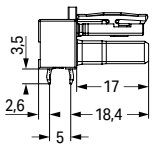
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

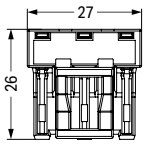
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

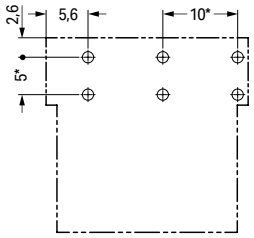
Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	770-803/011-000	100
○ white	A	L ⏚ N	770-823/011-000	100









* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

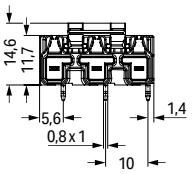
Item-Specific Accessories

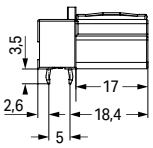
Lockout cap; for socket; separable; No. of poles: 12

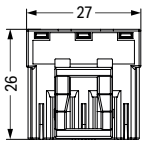
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

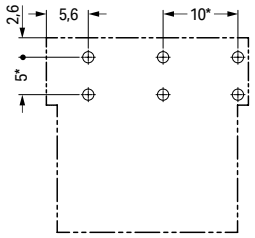
Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	770-813/011-000	100
○ white	A	L ⏚ N	770-833/011-000	100









* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
● yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data				
Coding	A / P / R			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

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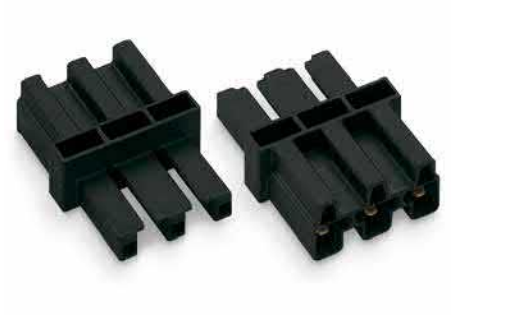
Additional information, see “Technical Section”

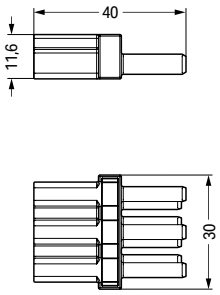
Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

Intermediate coupler

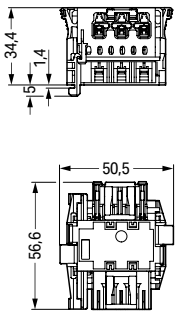


Color	Coding	Aufdruck	Item No.	PU
black	A		770-603	100
white	A		770-653	100



Linect® T-connector

Color	Coding	Marking	Item No.	PU
white	A	L ⏚ N	770-6223	25



Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

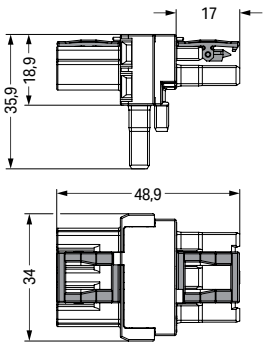
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

3

T-distribution connector ▸ Number of locking levers: 2

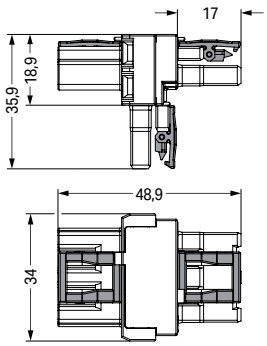
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-606	50
white	A	L ⏚ N	770-656	50
orange	R	LON LON S	770-667	50



T-distribution connector ▸ Number of locking levers: 3

Fig. similar

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-615	50
white	A	L ⏚ N	770-665	50
orange	R	LON LON S	770-670	50



Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Lockout cap; for plug; separable; No. of poles: 5

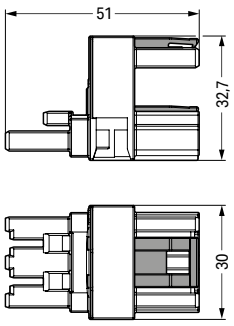
Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

h-distribution connector, bi-directional ▸ Number of locking levers: 2

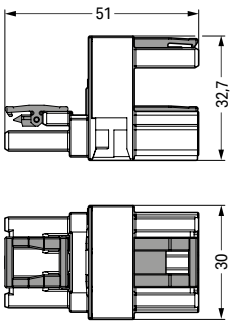
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-633	50
white	A	L ⏚ N	770-683	50



h-distribution connector, bi-directional ▸ Number of locking levers: 3 ▸ for flying leads

Fig. similar

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-635	50
white	A	L ⏚ N	770-685	50



3

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 3

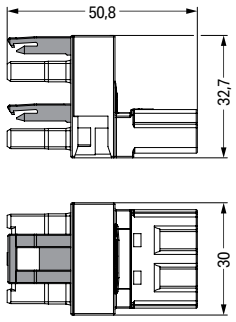
Color	Item No.	PU
black	770-623	25
white	770-673	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

h-distribution connector, unidirectional ▸ Number of locking levers: 2

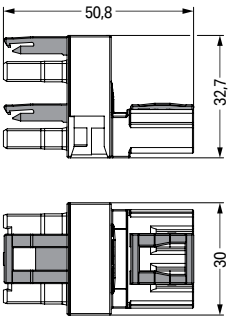
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-634	50
white	A	L ⏚ N	770-684	50
red	P	L ⏚ N	770-934	50



h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Fig. similar

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-636	50
white	A	L ⏚ N	770-686	50
red	P	L ⏚ N	770-936	50



Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 3

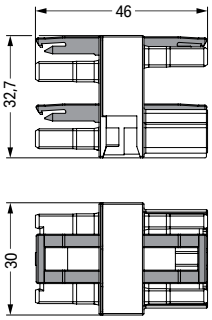
Color	Item No.	PU
black	770-623	25
white	770-673	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

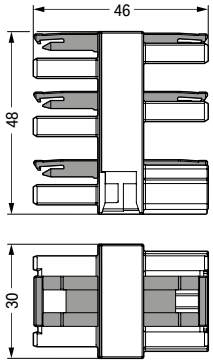
Distribution connector, 3-way

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-607	50
white	A	L ⏚ N	770-657	50
red	P	L ⏚ N	770-907	50



Distribution connector, 5-way

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-608	25
white	A	L ⏚ N	770-658	25



3

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 3

Color	Item No.	PU
black	770-623	25
white	770-673	25

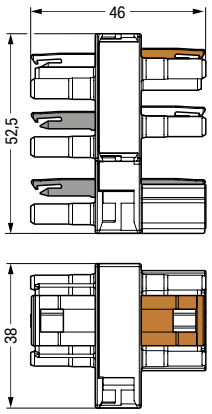
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

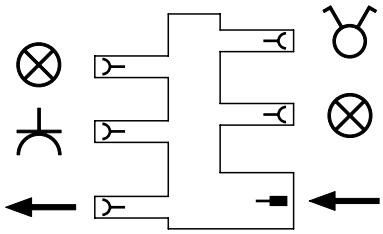
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 3

3

for single-pole switch and series circuits

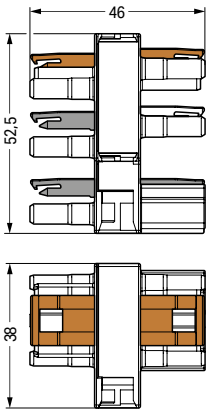
Color	Coding	Aufdruck	Item No.	PU
black	A		770-637	10
white	A		770-687	10

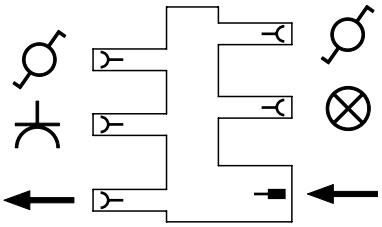




for single-pole switch and two-way circuits

Color	Coding	Aufdruck	Item No.	PU
black	A		770-638	10
white	A		770-688	10





Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 3

Color	Item No.	PU
black	770-623	25
white	770-673	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series
No. of poles: 3 ▸ Protection class: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data						
Coding	**A / P / S**			**A / P**		
Cross section of single conductor	**1.5 mm²**			**2.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

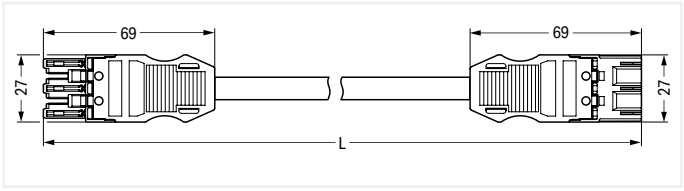
Marking Page 511

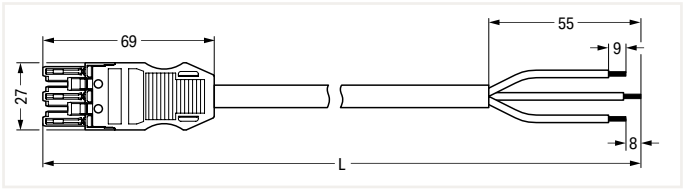
Additional information, see “Technical Section”

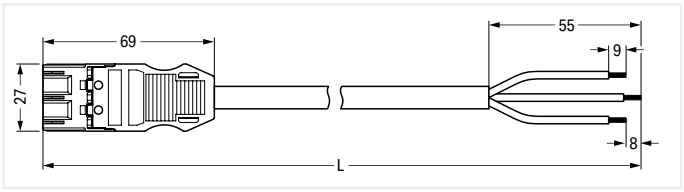
Approvals and corresponding ratings, visit www.wago.com

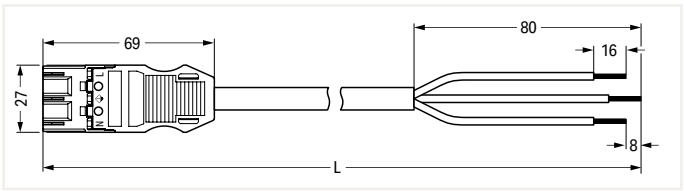
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ PVC ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5









Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/006-101	771-9993/006-102		1
2 m	771-9993/006-201	771-9993/006-202		1
3 m	771-9993/006-301	771-9993/006-302		1
4 m	771-9993/006-401	771-9993/006-402		1
5 m	771-9993/006-501	771-9993/006-502		1
6 m	771-9993/006-601	771-9993/006-602		1
7 m	771-9993/006-701	771-9993/006-702		1
8 m	771-9993/006-801	771-9993/006-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/106-101	771-9993/106-102		1
2 m	771-9993/106-201	771-9993/106-202		1
3 m	771-9993/106-301	771-9993/106-302		1
4 m	771-9993/106-401	771-9993/106-402		1
5 m	771-9993/106-501	771-9993/106-502		1
6 m	771-9993/106-601	771-9993/106-602		1
7 m	771-9993/106-701	771-9993/106-702		1
8 m	771-9993/106-801	771-9993/106-802		1

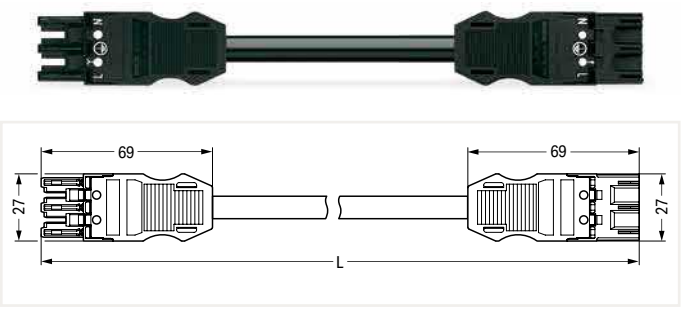
Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/206-101	771-9993/206-102		1
2 m	771-9993/206-201	771-9993/206-202		1
3 m	771-9993/206-301	771-9993/206-302		1
4 m	771-9993/206-401	771-9993/206-402		1
5 m	771-9993/206-501	771-9993/206-502		1
6 m	771-9993/206-601	771-9993/206-602		1
7 m	771-9993/206-701	771-9993/206-702		1
8 m	771-9993/206-801	771-9993/206-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 80 mm ▸ for switches and outlets installation				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-9993/3206-101			1
2 m	771-9993/3206-201			1
3 m	771-9993/3206-301			1
4 m	771-9993/3206-401			1
5 m	771-9993/3206-501			1
6 m	771-9993/3206-601			1
7 m	771-9993/3206-701			1
8 m	771-9993/3206-801			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

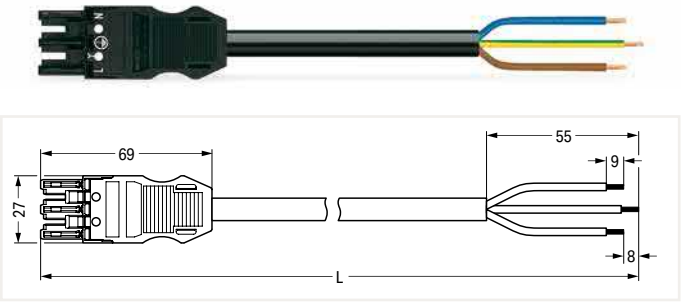
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5



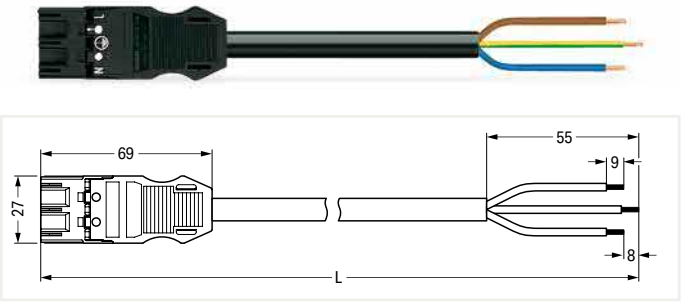
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/016-101	771-9993/016-102		1
2 m	771-9993/016-201	771-9993/016-202		1
3 m	771-9993/016-301	771-9993/016-302		1
4 m	771-9993/016-401	771-9993/016-402		1
5 m	771-9993/016-501	771-9993/016-502		1
6 m	771-9993/016-601	771-9993/016-602		1
7 m	771-9993/016-701	771-9993/016-702		1
8 m	771-9993/016-801	771-9993/016-802		1



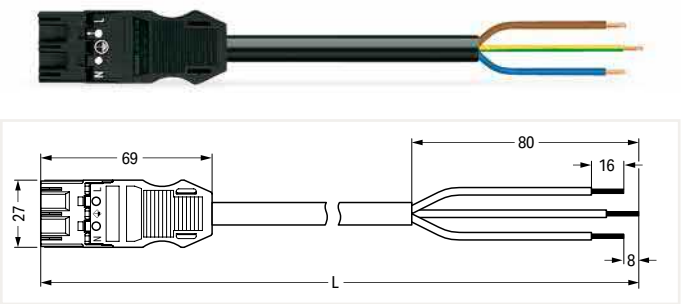
Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/116-101	771-9993/116-102		1
2 m	771-9993/116-201	771-9993/116-202		1
3 m	771-9993/116-301	771-9993/116-302		1
4 m	771-9993/116-401	771-9993/116-402		1
5 m	771-9993/116-501	771-9993/116-502		1
6 m	771-9993/116-601	771-9993/116-602		1
7 m	771-9993/116-701	771-9993/116-702		1
8 m	771-9993/116-801	771-9993/116-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/216-101	771-9993/216-102		1
2 m	771-9993/216-201	771-9993/216-202		1
3 m	771-9993/216-301	771-9993/216-302		1
4 m	771-9993/216-401	771-9993/216-402		1
5 m	771-9993/216-501	771-9993/216-502		1
6 m	771-9993/216-601	771-9993/216-602		1
7 m	771-9993/216-701	771-9993/216-702		1
8 m	771-9993/216-801	771-9993/216-802		1



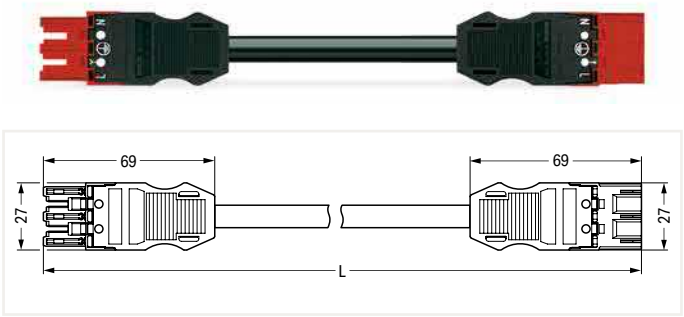
Connecting cable ▸ Plug - Free end ▸ Strip length: 80 mm ▸ for switches and outlets installation

Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-9993/3216-101			1
2 m	771-9993/3216-201			1
3 m	771-9993/3216-301			1
4 m	771-9993/3216-401			1
5 m	771-9993/3216-501			1
6 m	771-9993/3216-601			1
7 m	771-9993/3216-701			1
8 m	771-9993/3216-801			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

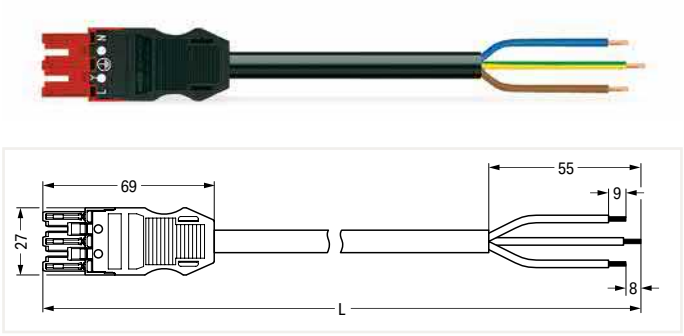
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: P ▸ Marking: L ⏚ N ▸ PVC ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5



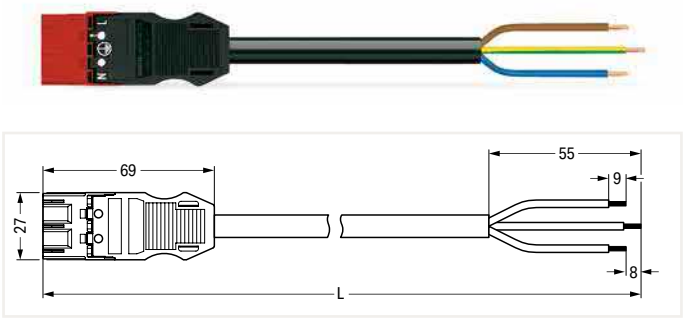
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/006-101	771-9973/006-102		1
2 m	771-9973/006-201	771-9973/006-202		1
3 m	771-9973/006-301	771-9973/006-302		1
4 m	771-9973/006-401	771-9973/006-402		1
5 m	771-9973/006-501	771-9973/006-502		1
6 m	771-9973/006-601	771-9973/006-602		1
7 m	771-9973/006-701	771-9973/006-702		1
8 m	771-9973/006-801	771-9973/006-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/106-101	771-9973/106-102		1
2 m	771-9973/106-201	771-9973/106-202		1
3 m	771-9973/106-301	771-9973/106-302		1
4 m	771-9973/106-401	771-9973/106-402		1
5 m	771-9973/106-501	771-9973/106-502		1
6 m	771-9973/106-601	771-9973/106-602		1
7 m	771-9973/106-701	771-9973/106-702		1
8 m	771-9973/106-801	771-9973/106-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/206-101	771-9973/206-102		1
2 m	771-9973/206-201	771-9973/206-202		1
3 m	771-9973/206-301	771-9973/206-302		1
4 m	771-9973/206-401	771-9973/206-402		1
5 m	771-9973/206-501	771-9973/206-502		1
6 m	771-9973/206-601	771-9973/206-602		1
7 m	771-9973/206-701	771-9973/206-702		1
8 m	771-9973/206-801	771-9973/206-802		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

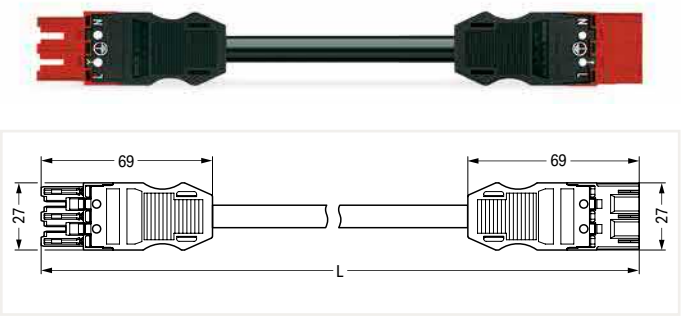
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

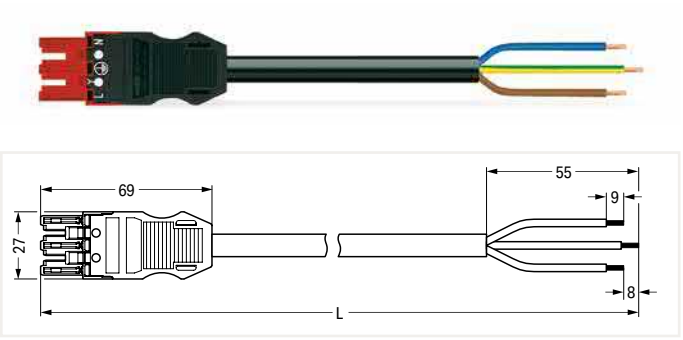
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: P ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5



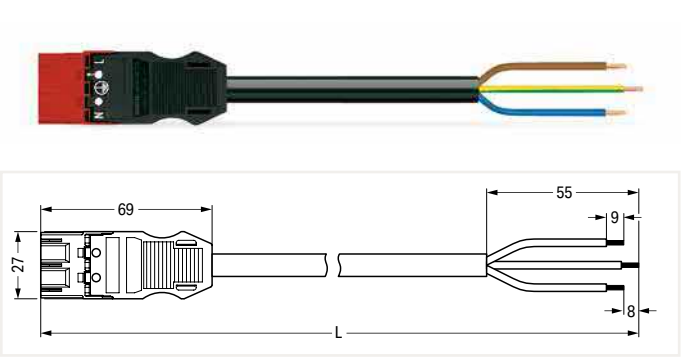
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/016-101	771-9973/016-102		1
2 m	771-9973/016-201	771-9973/016-202		1
3 m	771-9973/016-301	771-9973/016-302		1
4 m	771-9973/016-401	771-9973/016-402		1
5 m	771-9973/016-501	771-9973/016-502		1
6 m	771-9973/016-601	771-9973/016-602		1
7 m	771-9973/016-701	771-9973/016-702		1
8 m	771-9973/016-801	771-9973/016-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/116-101	771-9973/116-102		1
2 m	771-9973/116-201	771-9973/116-202		1
3 m	771-9973/116-301	771-9973/116-302		1
4 m	771-9973/116-401	771-9973/116-402		1
5 m	771-9973/116-501	771-9973/116-502		1
6 m	771-9973/116-601	771-9973/116-602		1
7 m	771-9973/116-701	771-9973/116-702		1
8 m	771-9973/116-801	771-9973/116-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/216-101	771-9973/216-102		1
2 m	771-9973/216-201	771-9973/216-202		1
3 m	771-9973/216-301	771-9973/216-302		1
4 m	771-9973/216-401	771-9973/216-402		1
5 m	771-9973/216-501	771-9973/216-502		1
6 m	771-9973/216-601	771-9973/216-602		1
7 m	771-9973/216-701	771-9973/216-702		1
8 m	771-9973/216-801	771-9973/216-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

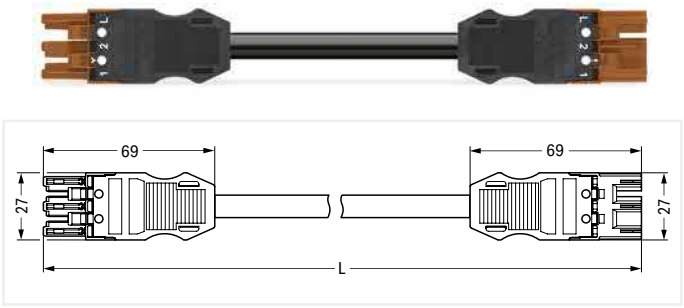
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

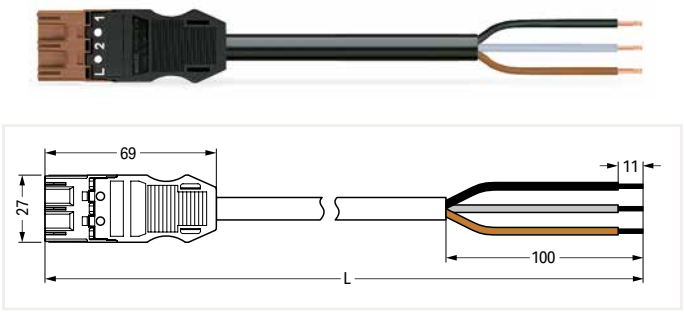
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: S ▸ Marking: 1 2 L ▸ PVC ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3x1.5



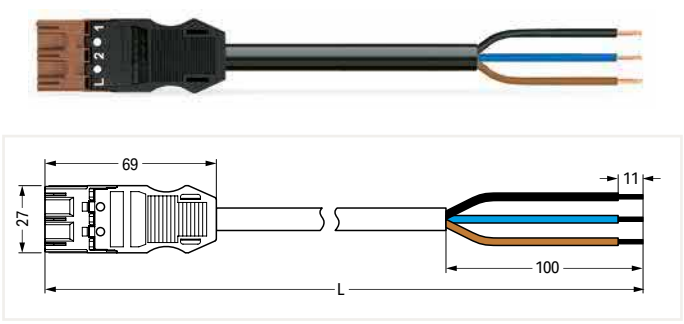
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	771-9973/006-105			1
2 m	771-9973/006-205			1
3 m	771-9973/006-305			1
4 m	771-9973/006-405			1
5 m	771-9973/006-505			1
6 m	771-9973/006-605			1
7 m	771-9973/006-705			1
8 m	771-9973/006-805			1



Connecting cable ▸ Plug - Free end ▸ Strip length: 100 mm ▸ for distribution connector; series and two-way circuits

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	771-9973/206-105			1
2 m	771-9973/206-205			1
3 m	771-9973/206-305			1
4 m	771-9973/206-405			1
5 m	771-9973/206-505			1
6 m	771-9973/206-605			1
7 m	771-9973/206-705			1
8 m	771-9973/206-805			1



Connecting cable ▸ Plug - Free end ▸ Strip length: 100 mm ▸ for distribution connector; motion sensor

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	771-9973/206-104			1
2 m	771-9973/206-204			1
3 m	771-9973/206-304			1
4 m	771-9973/206-404			1
5 m	771-9973/206-504			1
6 m	771-9973/206-604			1
7 m	771-9973/206-704			1
8 m	771-9973/206-804			1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

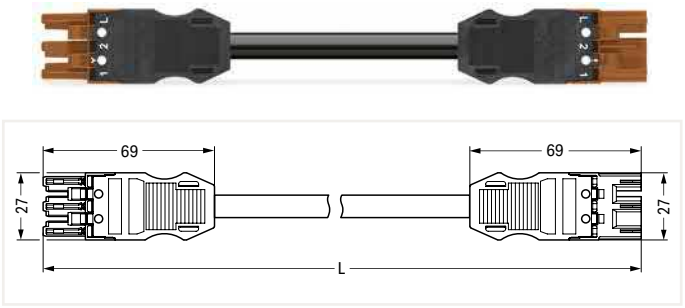
Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

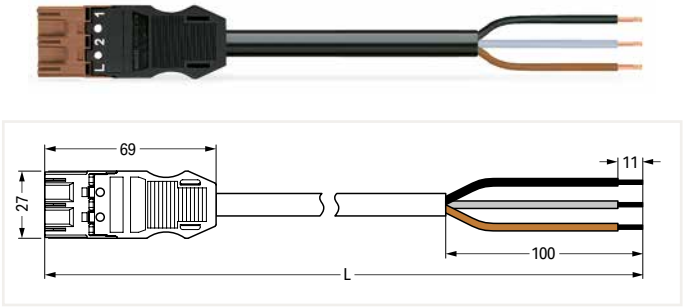
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: S ▸ Marking: 1 2 L ▸ Halogen-free ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3x1.5



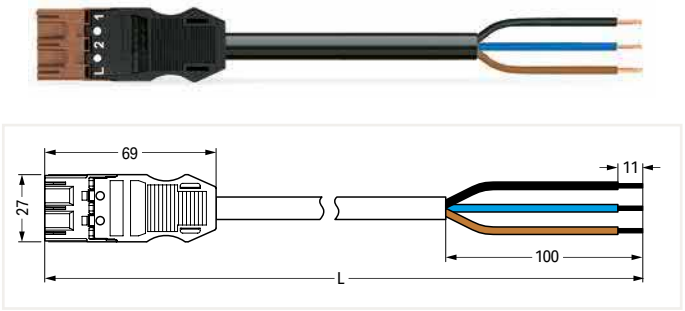
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	771-9973/016-105			1
2 m	771-9973/016-205			1
3 m	771-9973/016-305			1
4 m	771-9973/016-405			1
5 m	771-9973/016-505			1
6 m	771-9973/016-605			1
7 m	771-9973/016-705			1
8 m	771-9973/016-805			1



Connecting cable ▸ Plug - Free end ▸ Strip length: 100 mm ▸ for distribution connector; series and two-way circuits

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	771-9973/216-105			1
2 m	771-9973/216-205			1
3 m	771-9973/216-305			1
4 m	771-9973/216-405			1
5 m	771-9973/216-505			1
6 m	771-9973/216-605			1
7 m	771-9973/216-705			1
8 m	771-9973/216-805			1



Connecting cable ▸ Plug - Free end ▸ Strip length: 100 mm ▸ for distribution connector; motion sensor

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	771-9973/216-104			1
2 m	771-9973/216-204			1
3 m	771-9973/216-304			1
4 m	771-9973/216-404			1
5 m	771-9973/216-504			1
6 m	771-9973/216-604			1
7 m	771-9973/216-704			1
8 m	771-9973/216-804			1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

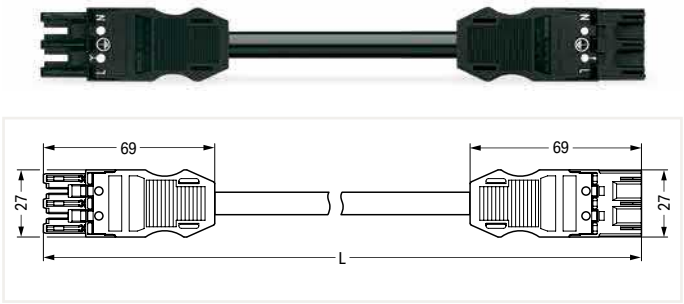
Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

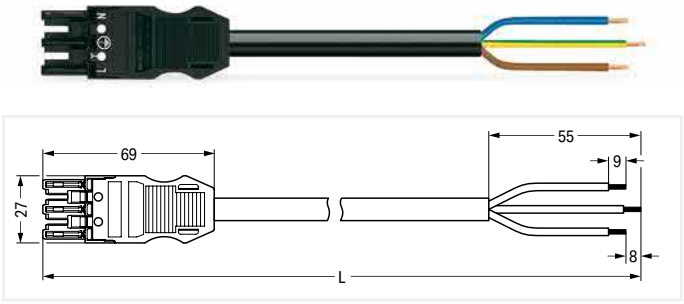
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ PVC ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05VV-F 3G2.5



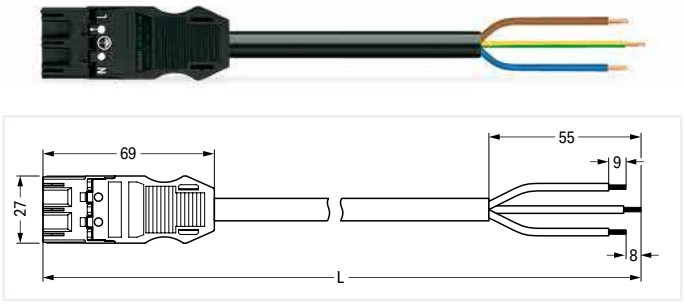
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/007-101	771-9993/007-102		1
2 m	771-9993/007-201	771-9993/007-202		1
3 m	771-9993/007-301	771-9993/007-302		1
4 m	771-9993/007-401	771-9993/007-402		1
5 m	771-9993/007-501	771-9993/007-502		1
6 m	771-9993/007-601	771-9993/007-602		1
7 m	771-9993/007-701	771-9993/007-702		1
8 m	771-9993/007-801	771-9993/007-802		1



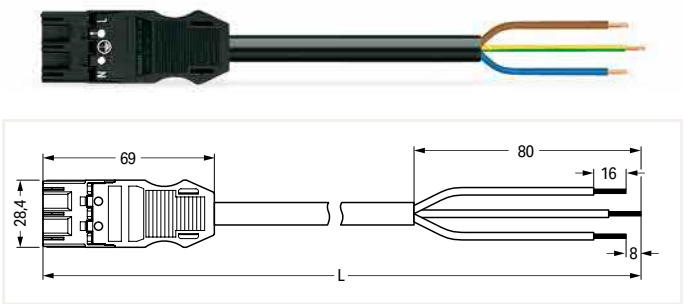
Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/107-101	771-9993/107-102		1
2 m	771-9993/107-201	771-9993/107-202		1
3 m	771-9993/107-301	771-9993/107-302		1
4 m	771-9993/107-401	771-9993/107-402		1
5 m	771-9993/107-501	771-9993/107-502		1
6 m	771-9993/107-601	771-9993/107-602		1
7 m	771-9993/107-701	771-9993/107-702		1
8 m	771-9993/107-801	771-9993/107-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/207-101	771-9993/207-102		1
2 m	771-9993/207-201	771-9993/207-202		1
3 m	771-9993/207-301	771-9993/207-302		1
4 m	771-9993/207-401	771-9993/207-402		1
5 m	771-9993/207-501	771-9993/207-502		1
6 m	771-9993/207-601	771-9993/207-602		1
7 m	771-9993/207-701	771-9993/207-702		1
8 m	771-9993/207-801	771-9993/207-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 80 mm ▸ for switches and outlets installation

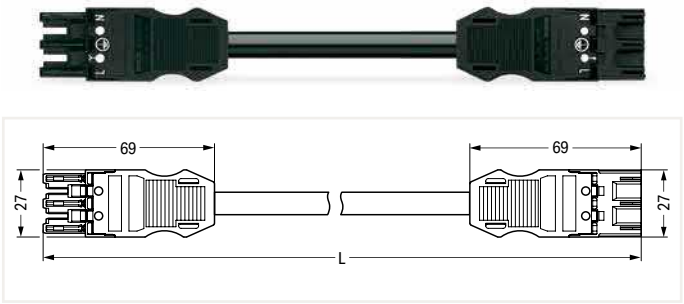
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-9993/3207-101			1
2 m	771-9993/3207-201			1
3 m	771-9993/3207-301			1
4 m	771-9993/3207-401			1
5 m	771-9993/3207-501			1
6 m	771-9993/3207-601			1
7 m	771-9993/3207-701			1
8 m	771-9993/3207-801			1

3

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

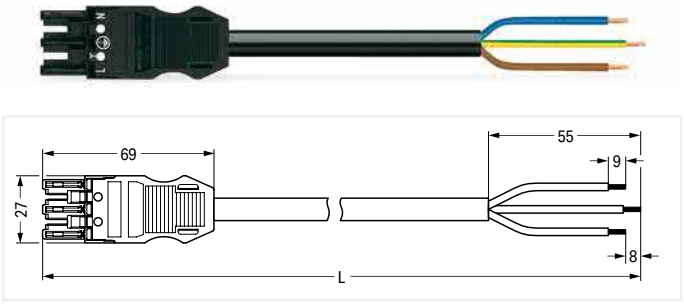
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05Z1Z1-F 3G2.5



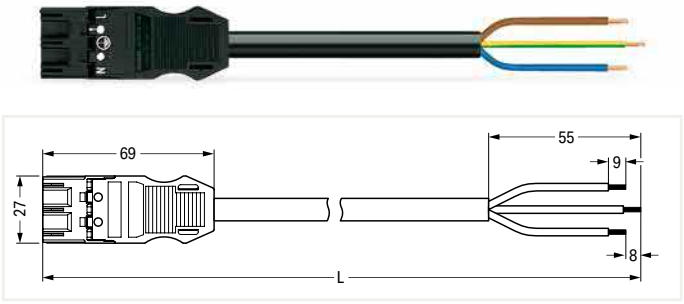
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/017-101	771-9993/017-102		1
2 m	771-9993/017-201	771-9993/017-202		1
3 m	771-9993/017-301	771-9993/017-302		1
4 m	771-9993/017-401	771-9993/017-402		1
5 m	771-9993/017-501	771-9993/017-502		1
6 m	771-9993/017-601	771-9993/017-602		1
7 m	771-9993/017-701	771-9993/017-702		1
8 m	771-9993/017-801	771-9993/017-802		1



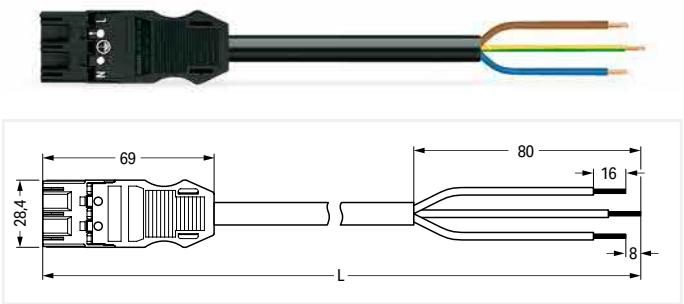
Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/117-101	771-9993/117-102		1
2 m	771-9993/117-201	771-9993/117-202		1
3 m	771-9993/117-301	771-9993/117-302		1
4 m	771-9993/117-401	771-9993/117-402		1
5 m	771-9993/117-501	771-9993/117-502		1
6 m	771-9993/117-601	771-9993/117-602		1
7 m	771-9993/117-701	771-9993/117-702		1
8 m	771-9993/117-801	771-9993/117-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/217-101	771-9993/217-102		1
2 m	771-9993/217-201	771-9993/217-202		1
3 m	771-9993/217-301	771-9993/217-302		1
4 m	771-9993/217-401	771-9993/217-402		1
5 m	771-9993/217-501	771-9993/217-502		1
6 m	771-9993/217-601	771-9993/217-602		1
7 m	771-9993/217-701	771-9993/217-702		1
8 m	771-9993/217-801	771-9993/217-802		1



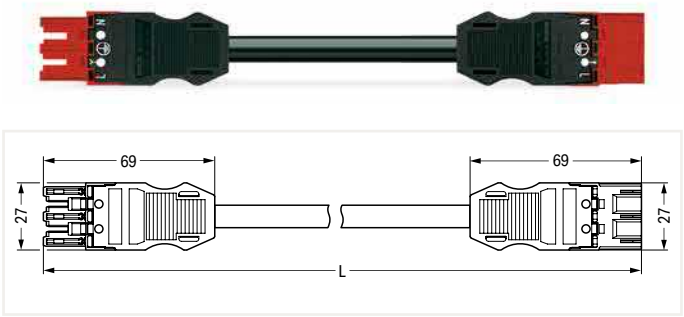
Connecting cable ▸ Plug - Free end ▸ Strip length: 80 mm ▸ for switches and outlets installation

Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-9993/3217-101			1
2 m	771-9993/3217-201			1
3 m	771-9993/3217-301			1
4 m	771-9993/3217-401			1
5 m	771-9993/3217-501			1
6 m	771-9993/3217-601			1
7 m	771-9993/3217-701			1
8 m	771-9993/3217-801			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

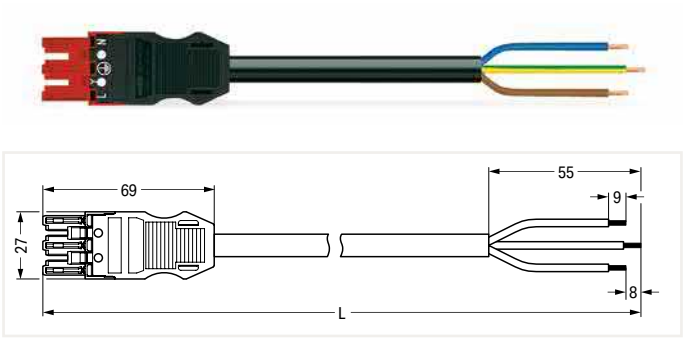
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: P ▸ Marking: L ⏚ N ▸ PVC ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05VV-F 3G2.5



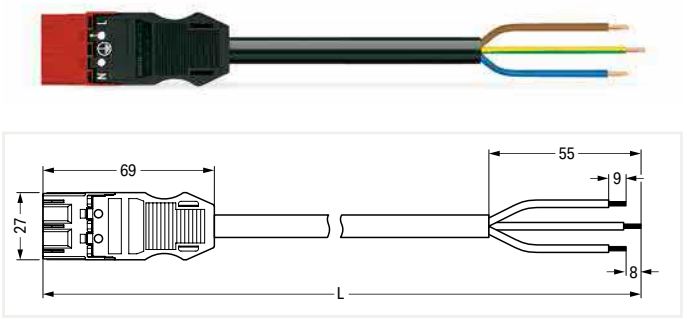
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/007-101	771-9973/007-102		1
2 m	771-9973/007-201	771-9973/007-202		1
3 m	771-9973/007-301	771-9973/007-302		1
4 m	771-9973/007-401	771-9973/007-402		1
5 m	771-9973/007-501	771-9973/007-502		1
6 m	771-9973/007-601	771-9973/007-602		1
7 m	771-9973/007-701	771-9973/007-702		1
8 m	771-9973/007-801	771-9973/007-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/107-101	771-9973/107-102		1
2 m	771-9973/107-201	771-9973/107-202		1
3 m	771-9973/107-301	771-9973/107-302		1
4 m	771-9973/107-401	771-9973/107-402		1
5 m	771-9973/107-501	771-9973/107-502		1
6 m	771-9973/107-601	771-9973/107-602		1
7 m	771-9973/107-701	771-9973/107-702		1
8 m	771-9973/107-801	771-9973/107-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/207-101	771-9973/207-102		1
2 m	771-9973/207-201	771-9973/207-202		1
3 m	771-9973/207-301	771-9973/207-302		1
4 m	771-9973/207-401	771-9973/207-402		1
5 m	771-9973/207-501	771-9973/207-502		1
6 m	771-9973/207-601	771-9973/207-602		1
7 m	771-9973/207-701	771-9973/207-702		1
8 m	771-9973/207-801	771-9973/207-802		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

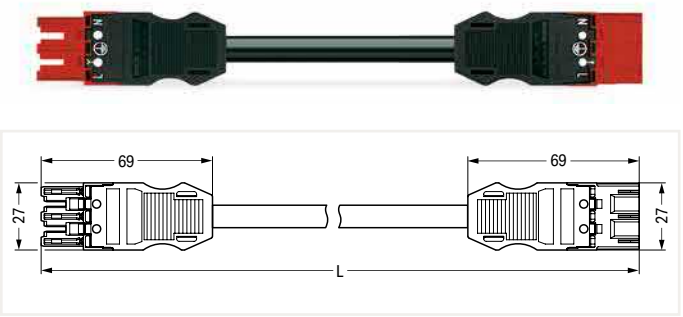
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

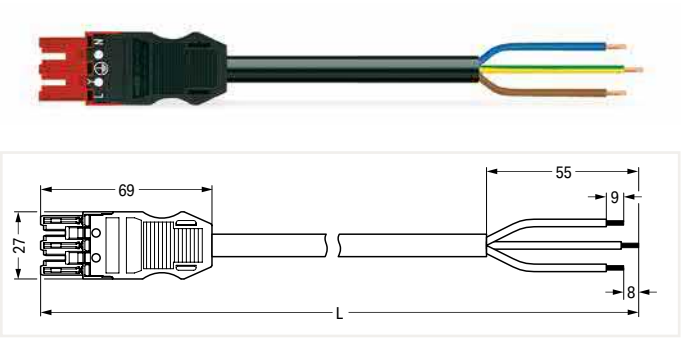
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: P ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05Z1Z1-F 3G2.5



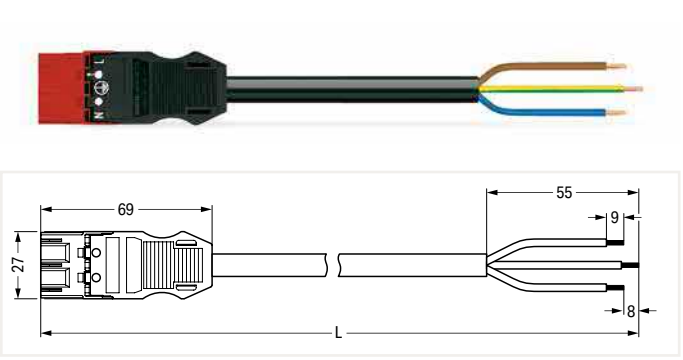
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/017-101	771-9973/017-102		1
2 m	771-9973/017-201	771-9973/017-202		1
3 m	771-9973/017-301	771-9973/017-302		1
4 m	771-9973/017-401	771-9973/017-402		1
5 m	771-9973/017-501	771-9973/017-502		1
6 m	771-9973/017-601	771-9973/017-602		1
7 m	771-9973/017-701	771-9973/017-702		1
8 m	771-9973/017-801	771-9973/017-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/117-101	771-9973/117-102		1
2 m	771-9973/117-201	771-9973/117-202		1
3 m	771-9973/117-301	771-9973/117-302		1
4 m	771-9973/117-401	771-9973/117-402		1
5 m	771-9973/117-501	771-9973/117-502		1
6 m	771-9973/117-601	771-9973/117-602		1
7 m	771-9973/117-701	771-9973/117-702		1
8 m	771-9973/117-801	771-9973/117-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9973/217-101	771-9973/217-102		1
2 m	771-9973/217-201	771-9973/217-202		1
3 m	771-9973/217-301	771-9973/217-302		1
4 m	771-9973/217-401	771-9973/217-402		1
5 m	771-9973/217-501	771-9973/217-502		1
6 m	771-9973/217-601	771-9973/217-602		1
7 m	771-9973/217-701	771-9973/217-702		1
8 m	771-9973/217-801	771-9973/217-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data						
Coding	**A**			**A**		
Cross section of single conductor	**1.5 mm²**			**2.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP 2xD
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

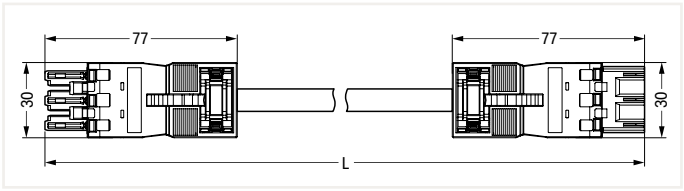
Marking Page 511

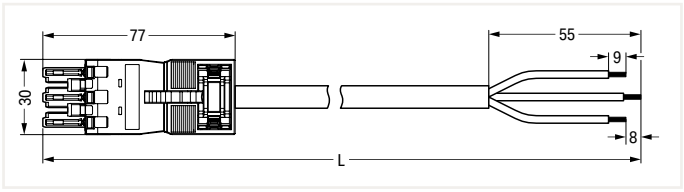
Additional information, see “Technical Section”

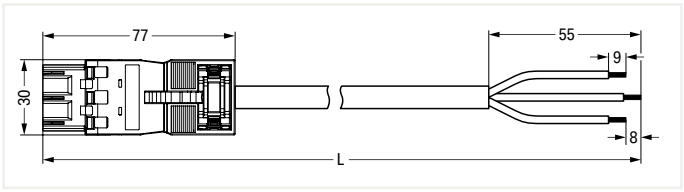
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ 1.5 mm² ▸ PVC ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/006-101	771-6993/006-102		1
2 m	771-6993/006-201	771-6993/006-202		1
3 m	771-6993/006-301	771-6993/006-302		1
4 m	771-6993/006-401	771-6993/006-402		1
5 m	771-6993/006-501	771-6993/006-502		1
6 m	771-6993/006-601	771-6993/006-602		1
7 m	771-6993/006-701	771-6993/006-702		1
8 m	771-6993/006-801	771-6993/006-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/106-101	771-6993/106-102		1
2 m	771-6993/106-201	771-6993/106-202		1
3 m	771-6993/106-301	771-6993/106-302		1
4 m	771-6993/106-401	771-6993/106-402		1
5 m	771-6993/106-501	771-6993/106-502		1
6 m	771-6993/106-601	771-6993/106-602		1
7 m	771-6993/106-701	771-6993/106-702		1
8 m	771-6993/106-801	771-6993/106-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/206-101	771-6993/206-102		1
2 m	771-6993/206-201	771-6993/206-202		1
3 m	771-6993/206-301	771-6993/206-302		1
4 m	771-6993/206-401	771-6993/206-402		1
5 m	771-6993/206-501	771-6993/206-502		1
6 m	771-6993/206-601	771-6993/206-602		1
7 m	771-6993/206-701	771-6993/206-702		1
8 m	771-6993/206-801	771-6993/206-802		1

3

Accessories; for all products on this page

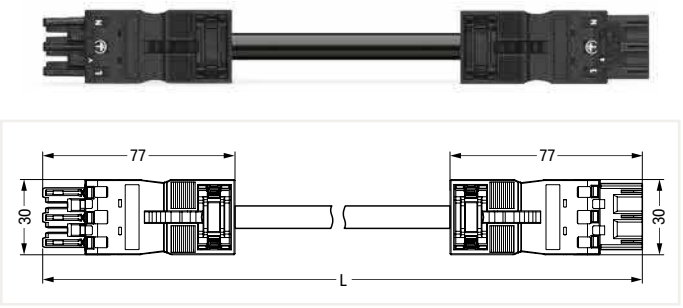
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

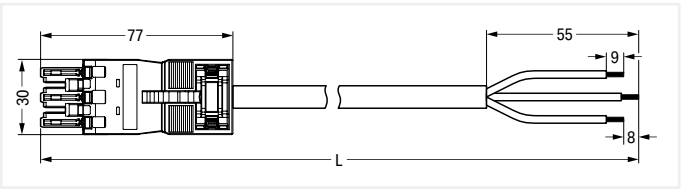
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

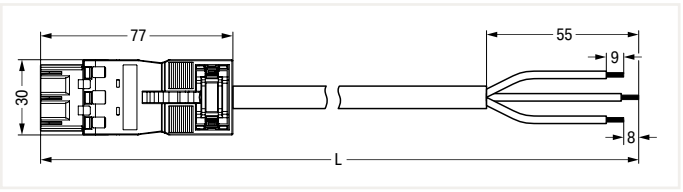
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ 1.5 mm² ▸ Halogen-free ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/016-101	771-6993/016-102		1
2 m	771-6993/016-201	771-6993/016-202		1
3 m	771-6993/016-301	771-6993/016-302		1
4 m	771-6993/016-401	771-6993/016-402		1
5 m	771-6993/016-501	771-6993/016-502		1
6 m	771-6993/016-601	771-6993/016-602		1
7 m	771-6993/016-701	771-6993/016-702		1
8 m	771-6993/016-801	771-6993/016-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/116-101	771-6993/116-102		1
2 m	771-6993/116-201	771-6993/116-202		1
3 m	771-6993/116-301	771-6993/116-302		1
4 m	771-6993/116-401	771-6993/116-402		1
5 m	771-6993/116-501	771-6993/116-502		1
6 m	771-6993/116-601	771-6993/116-602		1
7 m	771-6993/116-701	771-6993/116-702		1
8 m	771-6993/116-801	771-6993/116-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/216-101	771-6993/216-102		1
2 m	771-6993/216-201	771-6993/216-202		1
3 m	771-6993/216-301	771-6993/216-302		1
4 m	771-6993/216-401	771-6993/216-402		1
5 m	771-6993/216-501	771-6993/216-502		1
6 m	771-6993/216-601	771-6993/216-602		1
7 m	771-6993/216-701	771-6993/216-702		1
8 m	771-6993/216-801	771-6993/216-802		1

Accessories; for all products on this page

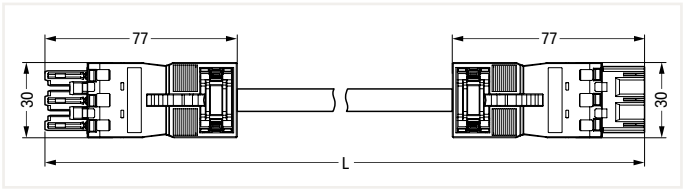
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

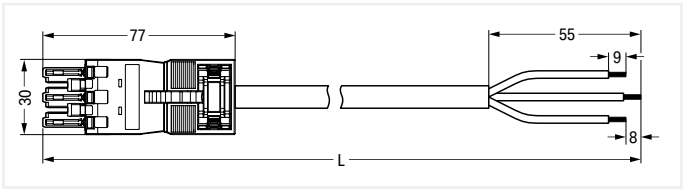
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

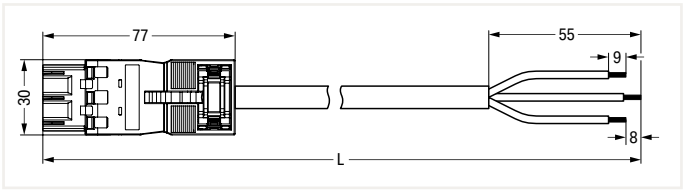
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ 2.5 mm² ▸ PVC ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05VV-F 3G2.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/007-101	771-6993/007-102		1
2 m	771-6993/007-201	771-6993/007-202		1
3 m	771-6993/007-301	771-6993/007-302		1
4 m	771-6993/007-401	771-6993/007-402		1
5 m	771-6993/007-501	771-6993/007-502		1
6 m	771-6993/007-601	771-6993/007-602		1
7 m	771-6993/007-701	771-6993/007-702		1
8 m	771-6993/007-801	771-6993/007-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/107-101	771-6993/107-102		1
2 m	771-6993/107-201	771-6993/107-202		1
3 m	771-6993/107-301	771-6993/107-302		1
4 m	771-6993/107-401	771-6993/107-402		1
5 m	771-6993/107-501	771-6993/107-502		1
6 m	771-6993/107-601	771-6993/107-602		1
7 m	771-6993/107-701	771-6993/107-702		1
8 m	771-6993/107-801	771-6993/107-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/207-101	771-6993/207-102		1
2 m	771-6993/207-201	771-6993/207-202		1
3 m	771-6993/207-301	771-6993/207-302		1
4 m	771-6993/207-401	771-6993/207-402		1
5 m	771-6993/207-501	771-6993/207-502		1
6 m	771-6993/207-601	771-6993/207-602		1
7 m	771-6993/207-701	771-6993/207-702		1
8 m	771-6993/207-801	771-6993/207-802		1

3

Accessories; for all products on this page

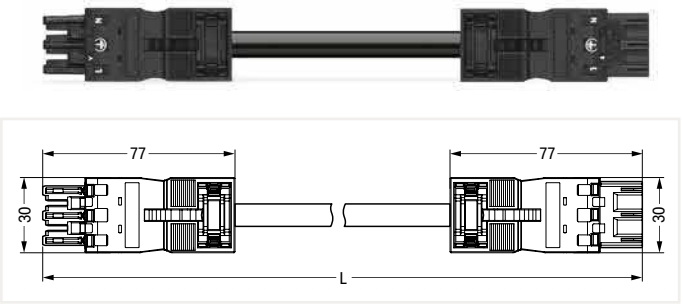
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

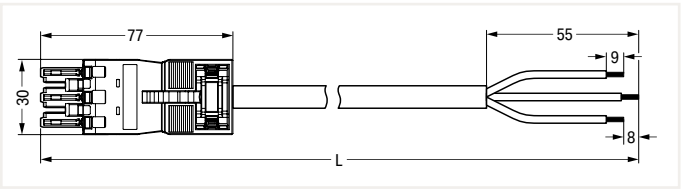
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

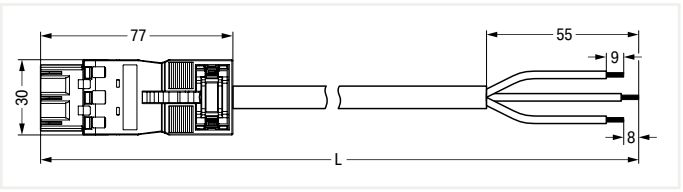
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ 2.5 mm² ▸ Halogen-free ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05Z1Z1-F 3G2.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/017-101	771-6993/017-102		1
2 m	771-6993/017-201	771-6993/017-202		1
3 m	771-6993/017-301	771-6993/017-302		1
4 m	771-6993/017-401	771-6993/017-402		1
5 m	771-6993/017-501	771-6993/017-502		1
6 m	771-6993/017-601	771-6993/017-602		1
7 m	771-6993/017-701	771-6993/017-702		1
8 m	771-6993/017-801	771-6993/017-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/117-101	771-6993/117-102		1
2 m	771-6993/117-201	771-6993/117-202		1
3 m	771-6993/117-301	771-6993/117-302		1
4 m	771-6993/117-401	771-6993/117-402		1
5 m	771-6993/117-501	771-6993/117-502		1
6 m	771-6993/117-601	771-6993/117-602		1
7 m	771-6993/117-701	771-6993/117-702		1
8 m	771-6993/117-801	771-6993/117-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-6993/217-101	771-6993/217-102		1
2 m	771-6993/217-201	771-6993/217-202		1
3 m	771-6993/217-301	771-6993/217-302		1
4 m	771-6993/217-401	771-6993/217-402		1
5 m	771-6993/217-501	771-6993/217-502		1
6 m	771-6993/217-601	771-6993/217-602		1
7 m	771-6993/217-701	771-6993/217-702		1
8 m	771-6993/217-801	771-6993/217-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4 ▸ Number of connection points: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data						
Coding	A			Q		
Application				for "Clean Earth"		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	32 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

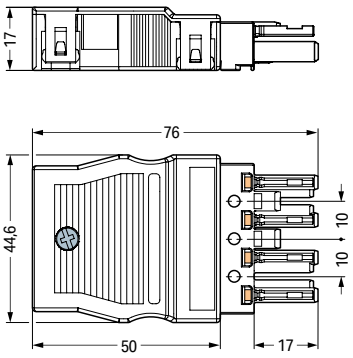
Marking	Page 511
Strain relief	Page 492
Tools	Page 506
Additional information, see "Technical Section"	
Approvals and corresponding ratings, visit www.wago.com	

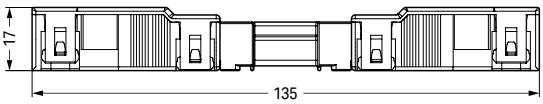
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series

No. of poles: 4 ▸ Number of connection points: 2 ▸ Cable diameter: 9 … 13 mm

Strain relief housing ▸ Female connector/socket ▸ Strip length: 55 mm

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-104	25
white	A	N ⏚ 2|L 1|L'	770-124	25

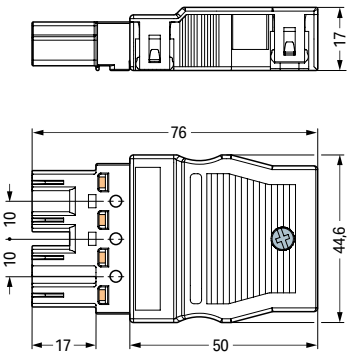


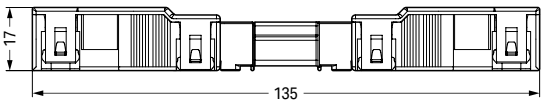


Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Strip length: 55 mm

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-114	25
white	A	N ⏚ 2|L 1|L'	770-134	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

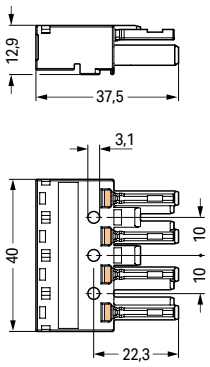
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4 ▸ Number of connection points: 2

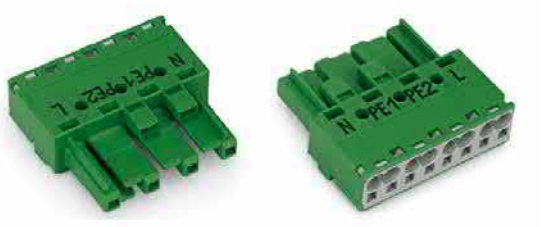
3

Female connector/socket

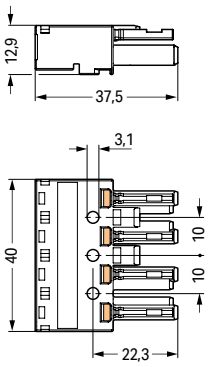
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-204	50
white	A	N ⏚ 2|L 1|L'	770-224	50



Female connector/socket ▸ for "Clean Earth"



Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-1324	50



Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length: 55 mm

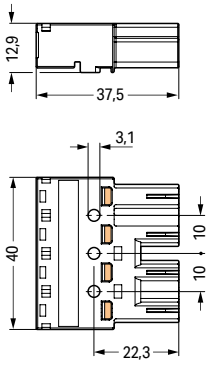
Color	Item No.	PU
black	770-504	25
white	770-514	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

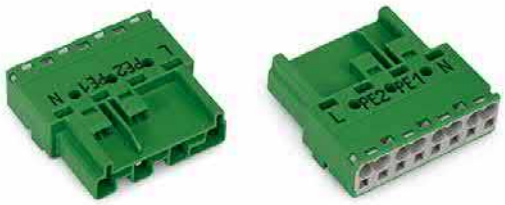
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4 ▸ Number of connection points: 2

Male connector/plug

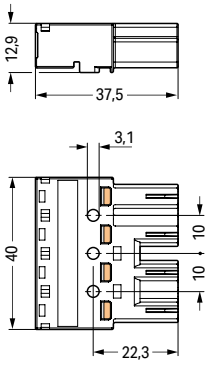
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-214	50
white	A	N ⏚ 2|L 1|L'	770-234	50



Male connector/plug ▸ for "Clean Earth"



Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-1334	50



3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-504	25
white	770-514	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

No. of poles: 4 ▸ Number of connection points: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

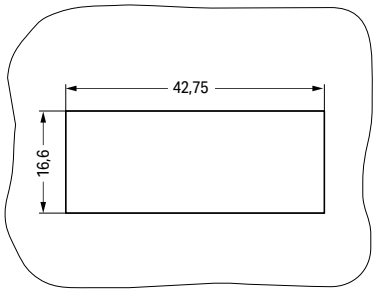


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data						
Coding	A			Q		
Application				for "Clean Earth"		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	32 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

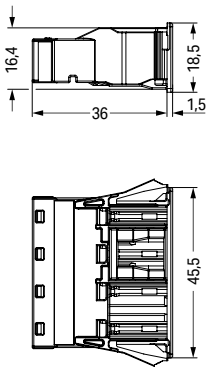
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding	Page 486
Tools	Page 506
Additional information, see "Technical Section"	
Approvals and corresponding ratings, visit www.wago.com	

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4 ▸ Number of connection points: 2

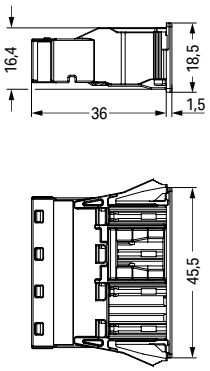
Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-704	100
white	A	N ⏚ 2|L 1|L'	770-724	100



Female connector/socket ▸ for "Clean Earth"

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-2324	100



3

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for cutout; No. of poles: 4

Color	Item No.	PU
black	770-644	100
white	770-694	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

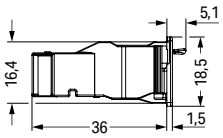
Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

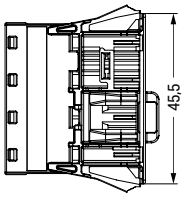
No. of poles: 4 ▸ Number of connection points: 2

3

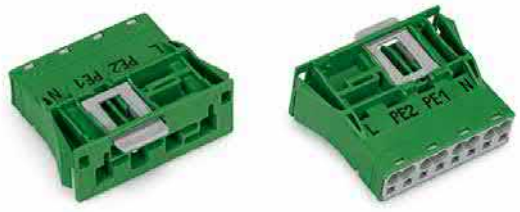
Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-714	100
white	A	N ⏚ 2|L 1|L'	770-734	100

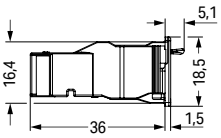


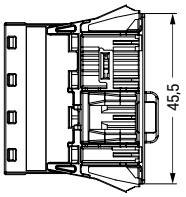


Male connector/plug ▸ for "Clean Earth"



Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-2334	100





Accessories; for all products on this page

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Lockout cap; for cutout; No. of poles: 4

Color	Item No.	PU
black	770-644	100
white	770-694	100

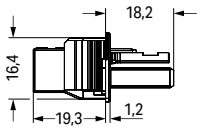
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

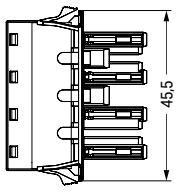
Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

No. of poles: 4 ▸ Number of connection points: 2

With protruding interface ▸ Female connector/socket

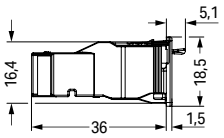
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-704/009-000	100
white	A	N ⏚ 2|L 1|L'	770-724/009-000	100

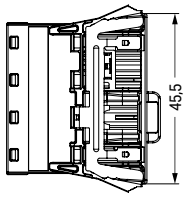




With direct ground contact ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-714/007-000	100
white	A	N ⏚ 2|L 1|L'	770-734/007-000	100





Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; No. of poles: 4

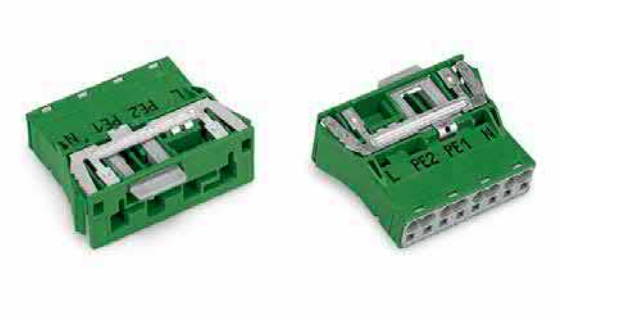
Color	Item No.	PU
black	770-644	100
white	770-694	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

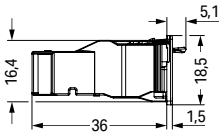
No. of poles: 4 ▸ Number of connection points: 2

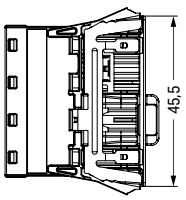
With direct ground contact ▸ Male connector/plug ▸ for "Clean Earth"



3

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-2334/007-000	100





Accessories; for all products on this page

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Lockout cap; for cutout; No. of poles: 4

Color	Item No.	PU
black	770-644	100
white	770-694	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	-	-
Rated impulse voltage	6 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.5^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding Page 486

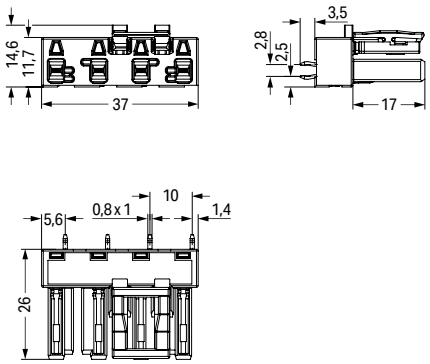
Additional information, see “Technical Section”

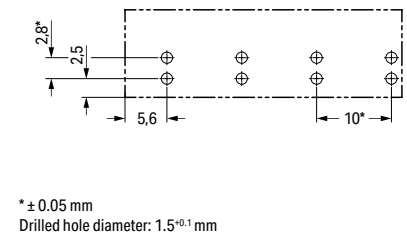
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-804	50
white	A	N ⏚ 2|L 1|L'	770-824	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

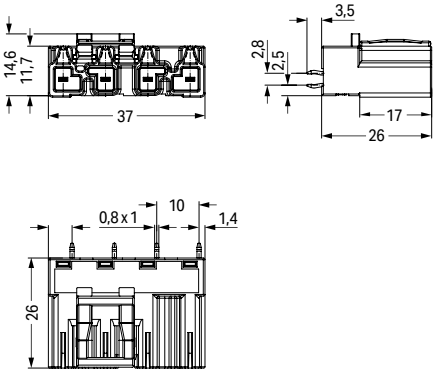
Item-Specific Accessories

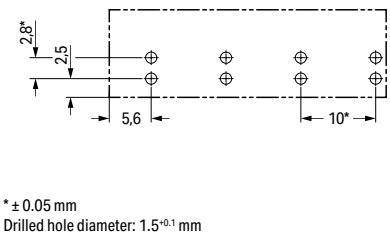
Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-814	50
white	A	N ⏚ 2|L 1|L'	770-834	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

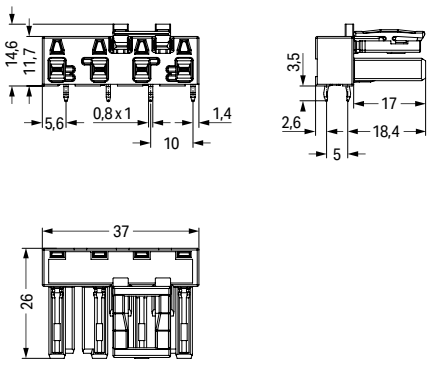
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

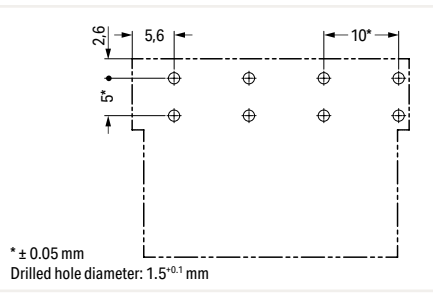
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4

3

Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-804/011-000	50
white	A	N ⏚ 2|L 1|L'	770-824/011-000	50





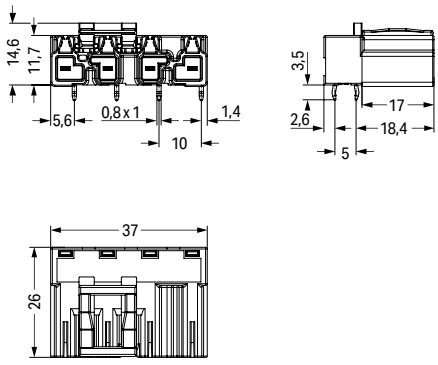
Item-Specific Accessories

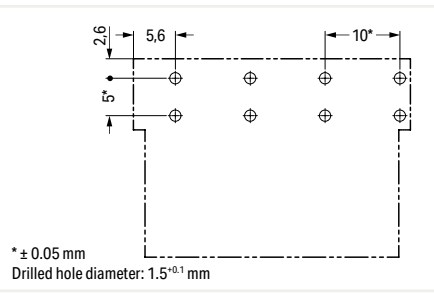
Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-814/011-000	50
white	A	N ⏚ 2|L 1|L'	770-834/011-000	50





Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	-	-
Rated impulse voltage	6 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding Page 486

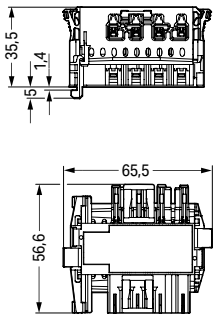
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4

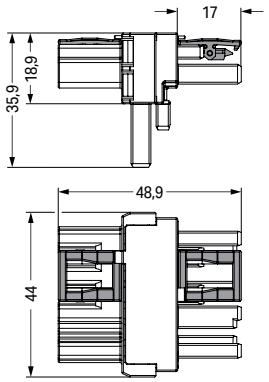
Linect® T-connector

Color	Coding	Marking	Item No.	PU
white	A	N ⏚ 2|L 1|L'	770-6224	25



T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2|L 1|L'	770-626	50
white	A	N ⏚ 2|L 1|L'	770-676	50



Item-Specific Accessories

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

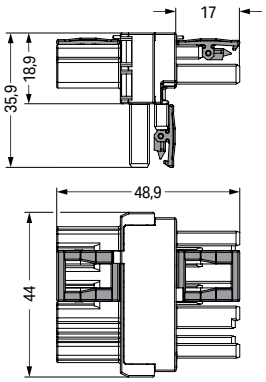
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4

T-distribution connector ▸ Number of locking levers: 3

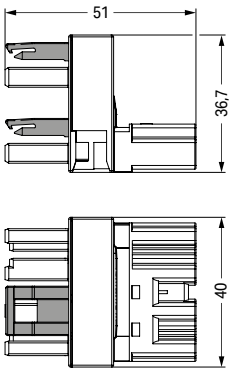
Fig. similar

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	770-627	50
○ white	A	N ⏚ 2|L 1|L'	770-677	50



h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	770-944	25
○ white	A	N ⏚ 2|L 1|L'	770-994	25



Item-Specific Accessories

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Item-Specific Accessories

Mounting plate; for distribution connector; No. of poles: 4

Color	Item No.	PU
● black	770-624	25
○ white	770-674	25

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
● yellow	770-360	100

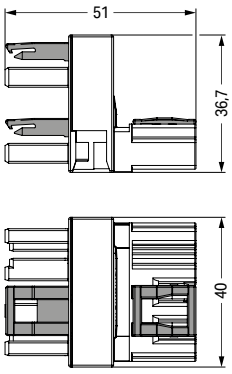
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 4

h-distribution connector, unidirectional ▸ Number of locking levers: 3 ▸ for flying leads

Fig. similar

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2|L 1|L'	770-945	25
○ white	A	N ⏚ 2|L 1|L'	770-995	25



3

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
● yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 4

Color	Item No.	PU
● black	770-624	25
○ white	770-674	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2|L 1|L' ▸ Cable diameter: 8.4 … 10.5 mm

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data			
Coding	A		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	-	-
Rated impulse voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

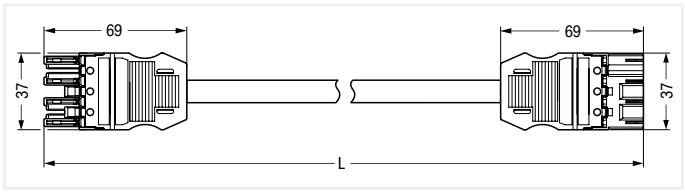
Marking Page 511

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

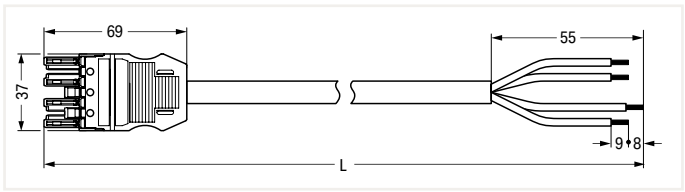
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2|L 1|L' ▸ Cable diameter: 8.4 … 10.5 mm ▸ PVC ▸ H05VV-F 4G1.5



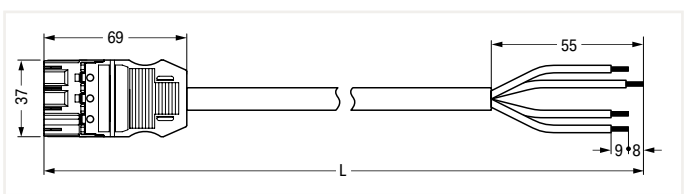
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9994/006-101	771-9994/006-102		1
2 m	771-9994/006-201	771-9994/006-202		1
3 m	771-9994/006-301	771-9994/006-302		1
4 m	771-9994/006-401	771-9994/006-402		1
5 m	771-9994/006-501	771-9994/006-502		1
6 m	771-9994/006-601	771-9994/006-602		1
7 m	771-9994/006-701	771-9994/006-702		1
8 m	771-9994/006-801	771-9994/006-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9994/106-101	771-9994/106-102		1
2 m	771-9994/106-201	771-9994/106-202		1
3 m	771-9994/106-301	771-9994/106-302		1
4 m	771-9994/106-401	771-9994/106-402		1
5 m	771-9994/106-501	771-9994/106-502		1
6 m	771-9994/106-601	771-9994/106-602		1
7 m	771-9994/106-701	771-9994/106-702		1
8 m	771-9994/106-801	771-9994/106-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9994/206-101	771-9994/206-102		1
2 m	771-9994/206-201	771-9994/206-202		1
3 m	771-9994/206-301	771-9994/206-302		1
4 m	771-9994/206-401	771-9994/206-402		1
5 m	771-9994/206-501	771-9994/206-502		1
6 m	771-9994/206-601	771-9994/206-602		1
7 m	771-9994/206-701	771-9994/206-702		1
8 m	771-9994/206-801	771-9994/206-802		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

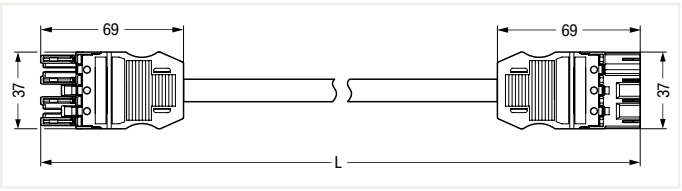
Locking lever, for flying leads; tool operated

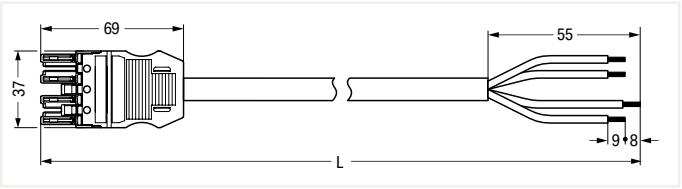
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

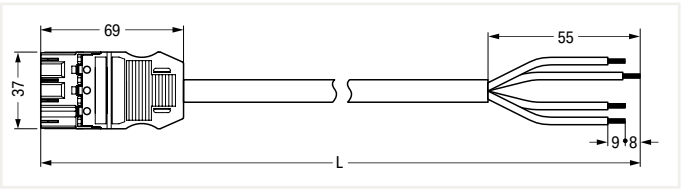
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2|L 1|L' ▸ Cable diameter: 8.4 … 10.5 mm ▸ Halogen-free ▸ H05Z1Z1-F 4G1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9994/016-101	771-9994/016-102		1
2 m	771-9994/016-201	771-9994/016-202		1
3 m	771-9994/016-301	771-9994/016-302		1
4 m	771-9994/016-401	771-9994/016-402		1
5 m	771-9994/016-501	771-9994/016-502		1
6 m	771-9994/016-601	771-9994/016-602		1
7 m	771-9994/016-701	771-9994/016-702		1
8 m	771-9994/016-801	771-9994/016-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9994/116-101	771-9994/116-102		1
2 m	771-9994/116-201	771-9994/116-202		1
3 m	771-9994/116-301	771-9994/116-302		1
4 m	771-9994/116-401	771-9994/116-402		1
5 m	771-9994/116-501	771-9994/116-502		1
6 m	771-9994/116-601	771-9994/116-602		1
7 m	771-9994/116-701	771-9994/116-702		1
8 m	771-9994/116-801	771-9994/116-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9994/216-101	771-9994/216-102		1
2 m	771-9994/216-201	771-9994/216-202		1
3 m	771-9994/216-301			1
4 m	771-9994/216-401	771-9994/216-402		1
5 m	771-9994/216-501	771-9994/216-502		1
6 m	771-9994/216-601	771-9994/216-602		1
7 m	771-9994/216-701	771-9994/216-702		1
8 m	771-9994/216-801	771-9994/216-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data						
Coding	A / I / L / P			Q for "Clean Earth"		
Application						
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	32 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

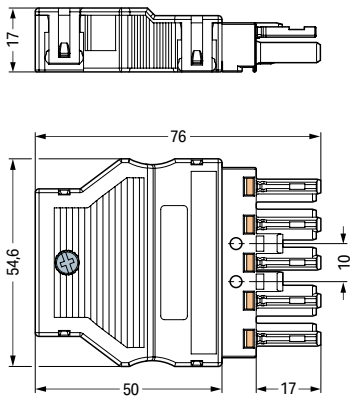
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

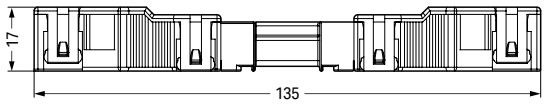
Coding	Page 486
Marking	Page 511
Strain relief	Page 493
Tools	Page 506
Additional information, see "Technical Section"	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5 ▸ Cable diameter: 9 … 13 mm

Number of connection points: 2 ▸ Strain relief housing ▸ Female connector/socket ▸ Strip length: 55 mm

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-105	25
white	A	N ⏚ L1 L2 L3	770-125	25





Overall length when mated

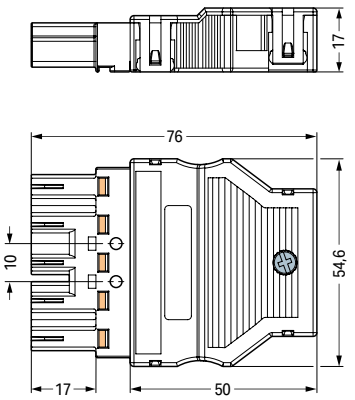
Item-Specific Accessories

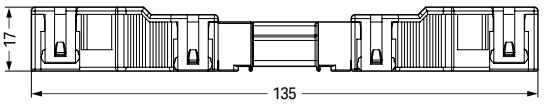
Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Number of connection points: 2 ▸ Strain relief housing ▸ Male connector/plug ▸ Strip length: 55 mm

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-115	25
white	A	N ⏚ L1 L2 L3	770-135	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

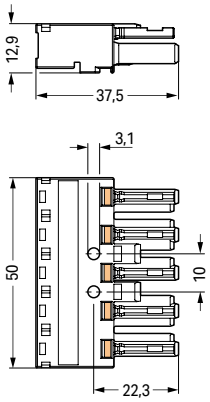
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

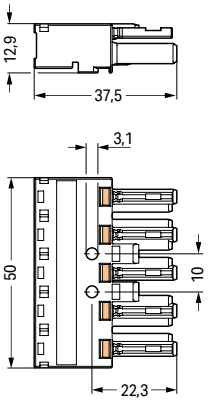
Number of connection points: 2 ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-205	50
white	A	N ⏚ L1 L2 L3	770-225	50
blue	I	N ⏚ L DA- DA+	770-1105	50
dark gray	L	N ⏚ L N' L'	770-1165	50
red	P	N ⏚ L1 L2 L3	770-1305	50

Number of connection points: 2 ▸ Female connector/socket ▸ for "Clean Earth"

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-1325	50





Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length: 55 mm

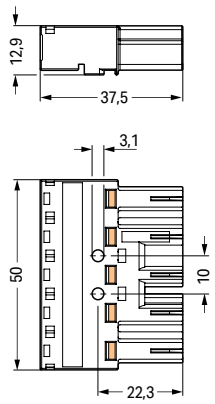
Color	Item No.	PU
black	770-505	25
white	770-515	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

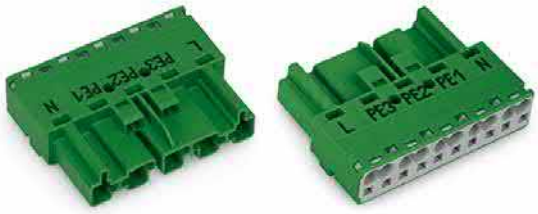
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

Number of connection points: 2 ▸ Male connector/plug

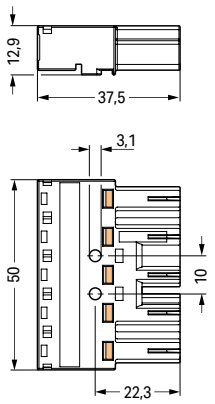
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-215	50
white	A	N ⏚ L1 L2 L3	770-235	50
blue	I	N ⏚ L DA- DA+	770-1115	50
dark gray	L	N ⏚ L N' L'	770-1175	50
red	P	N ⏚ L1 L2 L3	770-1315	50



Number of connection points: 2 ▸ Male connector/plug ▸ for "Clean Earth"



Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-1335	50



3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-505	25
white	770-515	25

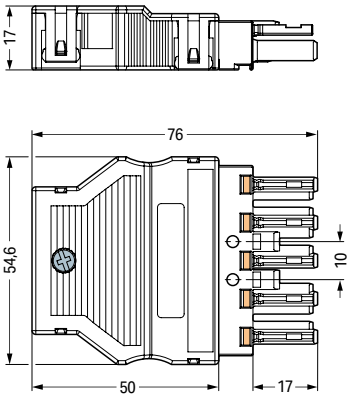
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

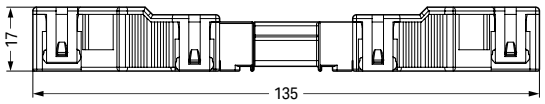
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5 ▸ Cable diameter: 9 … 13 mm

3

Number of connection points: 1 ▸ Strain relief housing ▸ Female connector/socket ▸ Strip length: 55 mm

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L1 L2 L3	770-305	25
○ white	A	N ⏚ L1 L2 L3	770-325	25

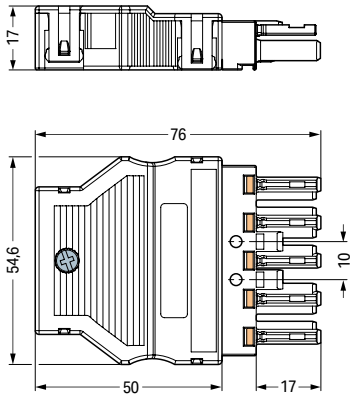


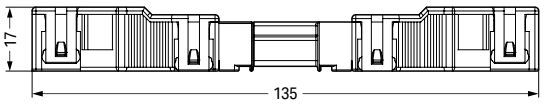


Overall length when mated

Number of connection points: 1 ▸ Strain relief housing ▸ Male connector/plug ▸ Strip length: 55 mm

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L1 L2 L3	770-315	25
○ white	A	N ⏚ L1 L2 L3	770-335	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
● yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

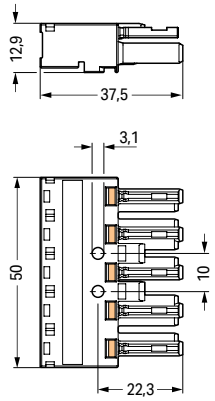
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

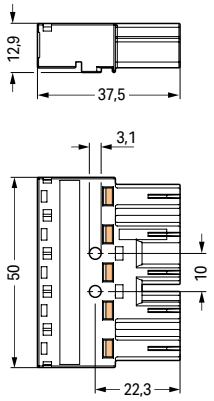
Number of connection points: 1 ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-405	50
white	A	N ⏚ L1 L2 L3	770-425	50



Number of connection points: 1 ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-415	50
white	A	N ⏚ L1 L2 L3	770-435	50



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

No. of poles: 5 ▸ Number of connection points: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

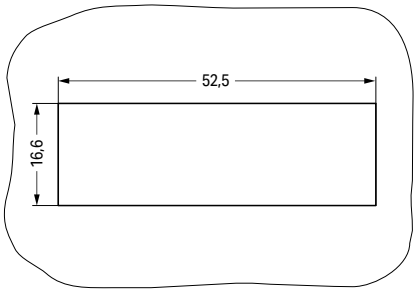


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data						
Coding	A / I / P			Q		
Application				for „Clean Earth"		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	32 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Tools Page 506

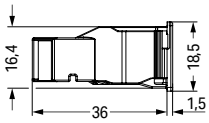
Additional information, see "Technical Section"

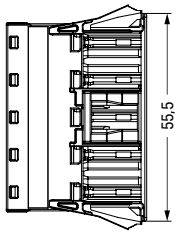
Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5 ▸ Number of connection points: 2

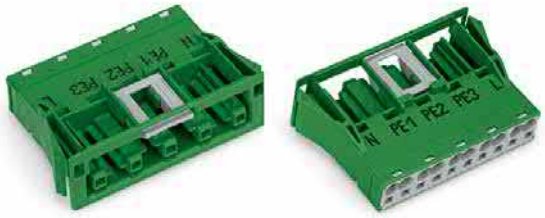
Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-705	50
white	A	N ⏚ L1 L2 L3	770-725	50
blue	I	N ⏚ L DA- DA+	770-2105	50
red	P	N ⏚ L1 L2 L3	770-2305	50

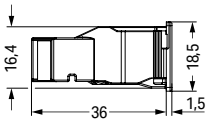


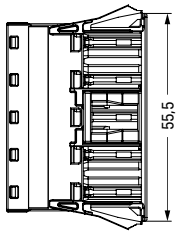


Female connector/socket ▸ for „Clean Earth"



Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-2325	50





3

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for cutout; No. of poles: 5

Color	Item No.	PU
black	770-645	100
white	770-695	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

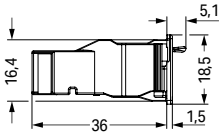
Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

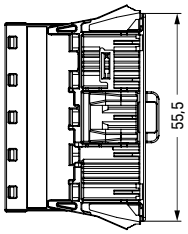
No. of poles: 5 ▸ Number of connection points: 2

3

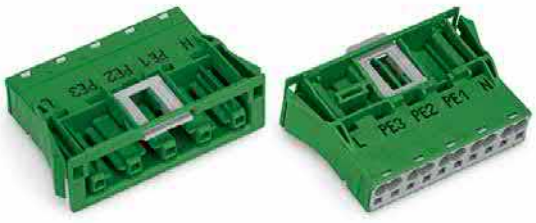
Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-715	50
white	A	N ⏚ L1 L2 L3	770-735	50
blue	I	N ⏚ L DA- DA+	770-2115	50
red	P	N ⏚ L1 L2 L3	770-2315	50

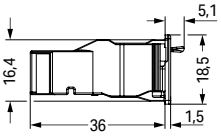


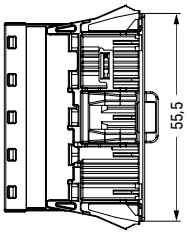


Male connector/plug ▸ for "Clean Earth"



Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-2335	50





Accessories; for all products on this page

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Lockout cap; for cutout; No. of poles: 5

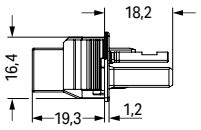
Color	Item No.	PU
black	770-645	100
white	770-695	100

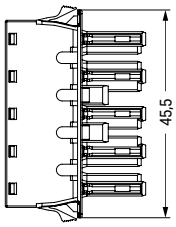
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5 ▸ Number of connection points: 2

With protruding interface ▸ Female connector/socket

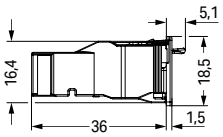
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-705/009-000	50
white	A	N ⏚ L1 L2 L3	770-725/009-000	50

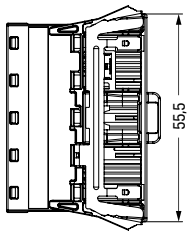




With direct ground contact ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-715/007-000	50
white	A	N ⏚ L1 L2 L3	770-735/007-000	50
blue	I	N ⏚ L DA- DA+	770-2115/007-000	50





Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; No. of poles: 5

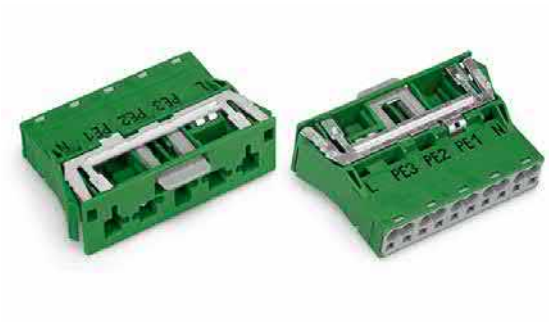
Color	Item No.	PU
black	770-645	100
white	770-695	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

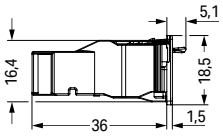
No. of poles: 5 ▸ Number of connection points: 2

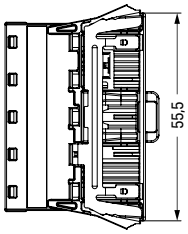
With direct ground contact ▸ Male connector/plug ▸ for "Clean Earth"



3

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-2335/007-000	50





Accessories; for all products on this page

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Lockout cap; for cutout; No. of poles: 5

Color	Item No.	PU
black	770-645	100
white	770-695	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data			
Coding	A / I		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	-	-
Rated impulse voltage	6 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.5^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding Page 486

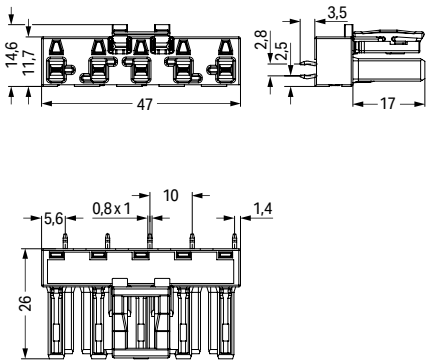
Additional information, see “Technical Section”

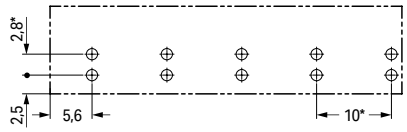
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-805	50
white	A	N ⏚ L1 L2 L3	770-825	50
blue	I	N ⏚ L DA- DA+	770-3105	50

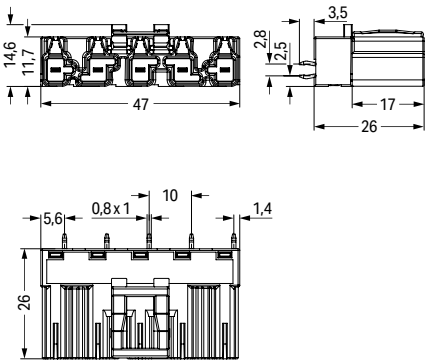


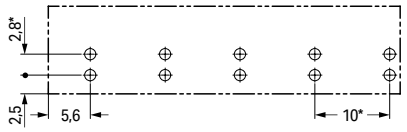


* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-815	50
white	A	N ⏚ L1 L2 L3	770-835	50
blue	I	N ⏚ L DA- DA+	770-3115	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

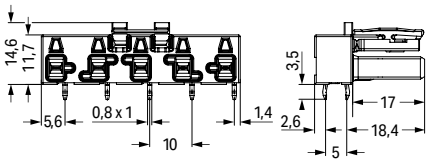
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

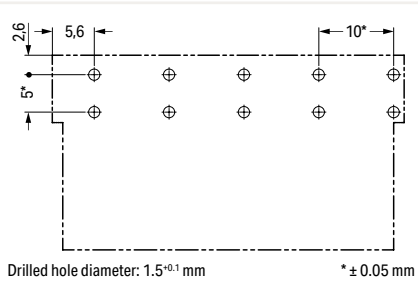
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

3

Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-805/011-000	50
white	A	N ⏚ L1 L2 L3	770-825/011-000	50
blue	I	N ⏚ L DA- DA+	770-3105/011-000	50





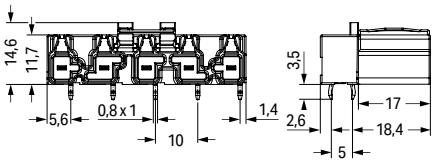
Item-Specific Accessories

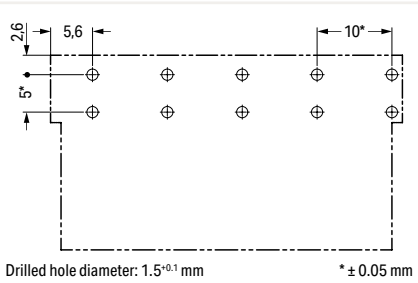
Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-815/011-000	50
white	A	N ⏚ L1 L2 L3	770-835/011-000	50
blue	I	N ⏚ L DA- DA+	770-3115/011-000	50





Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data			
Coding	A / I / P		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	-	-
Rated impulse voltage	6 kV	-	-
Rated current	25 A	-	-
Approvals per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Tools Page 506

Additional information, see “Technical Section”

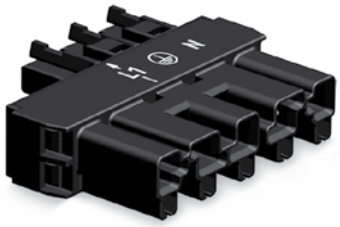
Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

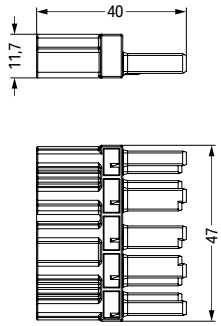
Intermediate coupler

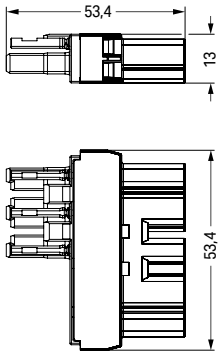
Color	Coding	Aufdruck	Item No.	PU
black	A		770-605	100
white	A		770-655	100
blue	I		770-619	100

Intermediate coupler ▸ 5- to 3-pole; L1 - L



Color	Coding	Aufdruck	Item No.	PU
black	A	L1 ⏚ N	770-901	50
white	A	L1 ⏚ N	770-951	50
red	P	L1 ⏚ N	770-911	50





Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

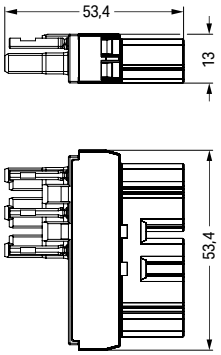
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

3

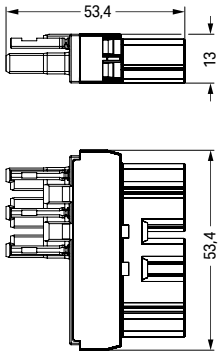
Intermediate coupler ▸ 5- to 3-pole; L2 - L

Color	Coding	Aufdruck	Item No.	PU
black	A	L2 ⏚ N	770-902	50
white	A	L2 ⏚ N	770-952	50
red	P	L2 ⏚ N	770-912	50



Intermediate coupler ▸ 5- to 3-pole; L3 - L

Color	Coding	Aufdruck	Item No.	PU
black	A	L3 ⏚ N	770-903	50
white	A	L3 ⏚ N	770-953	50
red	P	L3 ⏚ N	770-913	50



Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

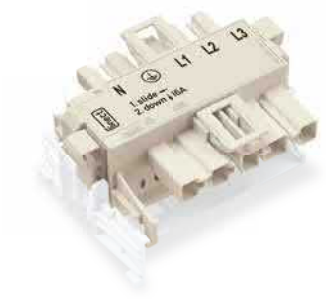
Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

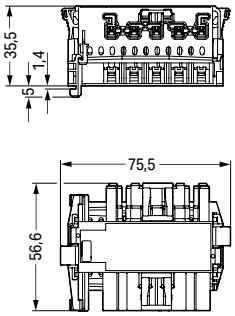
Linect® T-connector

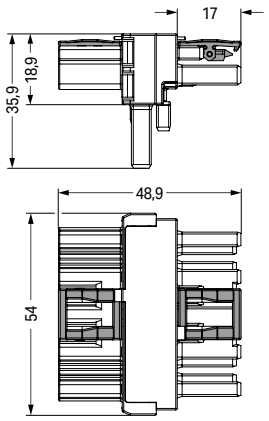


Color	Coding	Marking	Item No.	PU
white	A	N ⏚ L1 L2 L3	770-6225	20
blue	I	N ⏚ L DA- DA+	770-7105	20
dark gray	L	N ⏚ L N' L'	770-7505	20

T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-621	50
white	A	N ⏚ L1 L2 L3	770-671	50
blue	I	N ⏚ L DA- DA+	770-617	50
red	P	N ⏚ L1 L2 L3	770-921	50





Item-Specific Accessories

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

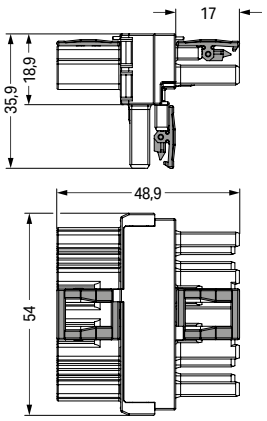
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

3

T-distribution connector ▸ Number of locking levers: 3

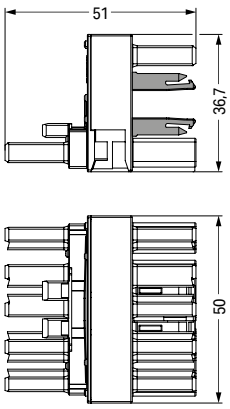
Fig. similar

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-622	50
white	A	N ⏚ L1 L2 L3	770-672	50
blue	I	N ⏚ L DA- DA+	770-620	50
red	P	N ⏚ L1 L2 L3	770-922	50



h-distribution connector, bi-directional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-992	25



Item-Specific Accessories

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Item-Specific Accessories

Mounting plate; for distribution connector; No. of poles: 5

Color	Item No.	PU
black	770-625	25
white	770-675	25

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

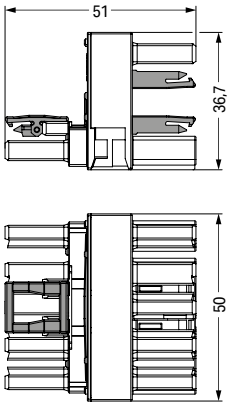
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

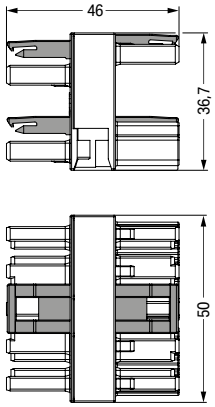
h-distribution connector, bi-directional ▸ Number of locking levers: 3 ▸ for flying leads

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-993	25

Distribution connector, 3-way

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-609	25
white	A	N ⏚ L1 L2 L3	770-659	25
blue	I	N ⏚ L DA- DA+	770-618	25
red	P	N ⏚ L1 L2 L3	770-909	25





Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

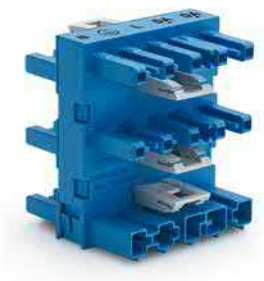
Mounting plate; for distribution connector; No. of poles: 5

Color	Item No.	PU
black	770-625	25
white	770-675	25

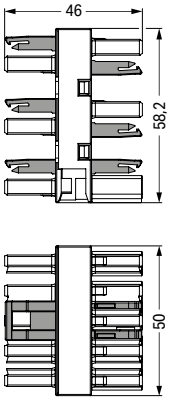
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

Distribution connector, 5-way



Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-1947	20



Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 5

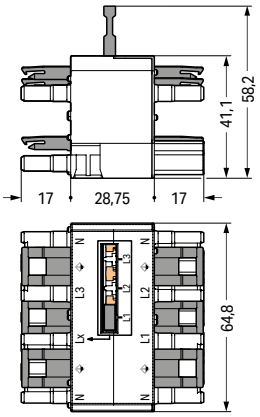
Color	Item No.	PU
black	770-625	25
white	770-675	25

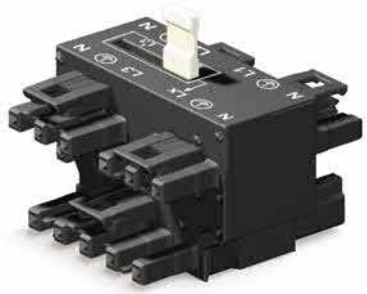
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

Three-phase to single-phase distribution connector

Color	Coding	Aufdruck	Item No.	PU
black	A		770-640	10
white	A		770-690	10
red	P		770-940	10





Movable jumper

Jumper pushed down, flush with the housing (position L1)

An additional h-distribution connector doubles L1.
This results in the following connection options:
L1/L1/L2/L2/L3 with jumper in position L2
L1/L1/L2/L3/L3 with jumper in position L3

3

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 5

Color	Item No.	PU
black	770-625	25
white	770-675	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

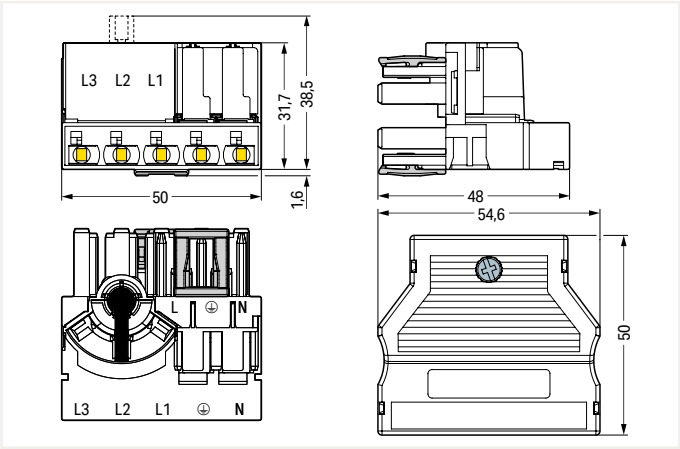
Three-phase to single-phase distribution connector

Additional h-distribution connectors double L1 and L3.
This results in the following connection option:
L1/L1/L2/L2/L3/L3 with jumper in position L2
Notice: h-distribution connectors can only be plugged on L1 and L3.

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
No. of poles: 5

Distribution connector with phase selection

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L1 L2 L3	770-611	10
○ white	A	N ⏚ L1 L2 L3	770-661	10



Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.

Push down jumper in its new position (picture shows L3).

The 5-pole energy circuit can be extended using pluggable cable assemblies.

Plugging a 3-pole tap-off cable.

3

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
● yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 5

Color	Item No.	PU
● black	770-625	25
○ white	770-675	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series
No. of poles: 5 ▸ Protection class: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

3

Electrical Data									
Coding	**A / I / L / P**			**A / I / L / P**			**A**		
Cross section of single conductor	**1.5 mm²**			**2.5 mm²**			**4 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	20 A	-	-	25 A	-	-

Approvals per	UL 1977	UL 1977	UL 1977
Rated voltage	600 V	600 V	600 V
Rated current	23 A	23 A	23 A

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

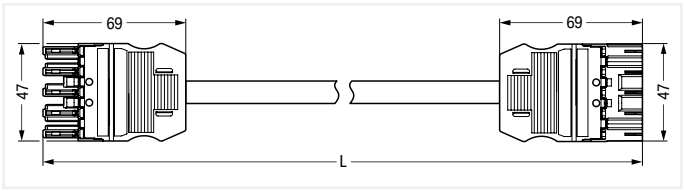
Marking Page 511

Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

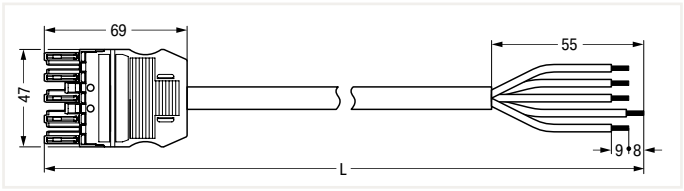
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5



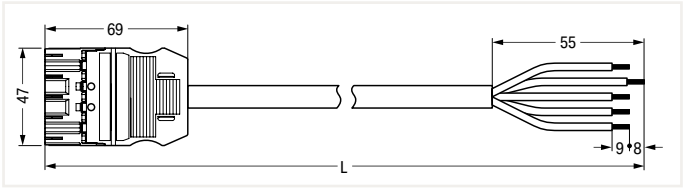
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/006-101	771-9995/006-102		1
2 m	771-9995/006-201	771-9995/006-202		1
3 m	771-9995/006-301	771-9995/006-302		1
4 m	771-9995/006-401	771-9995/006-402		1
5 m	771-9995/006-501	771-9995/006-502		1
6 m	771-9995/006-601	771-9995/006-602		1
7 m	771-9995/006-701	771-9995/006-702		1
8 m	771-9995/006-801	771-9995/006-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/106-101	771-9995/106-102		1
2 m	771-9995/106-201	771-9995/106-202		1
3 m	771-9995/106-301	771-9995/106-302		1
4 m	771-9995/106-401	771-9995/106-402		1
5 m	771-9995/106-501	771-9995/106-502		1
6 m	771-9995/106-601	771-9995/106-602		1
7 m	771-9995/106-701	771-9995/106-702		1
8 m	771-9995/106-801	771-9995/106-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/206-101	771-9995/206-102		1
2 m	771-9995/206-201	771-9995/206-202		1
3 m	771-9995/206-301	771-9995/206-302		1
4 m	771-9995/206-401	771-9995/206-402		1
5 m	771-9995/206-501	771-9995/206-502		1
6 m	771-9995/206-601	771-9995/206-602		1
7 m	771-9995/206-701	771-9995/206-702		1
8 m	771-9995/206-801	771-9995/206-802		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

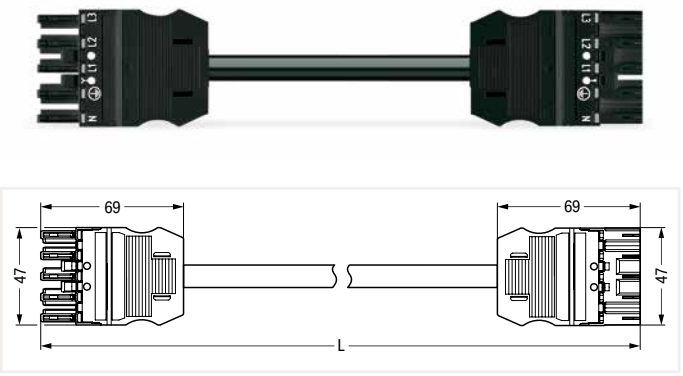
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

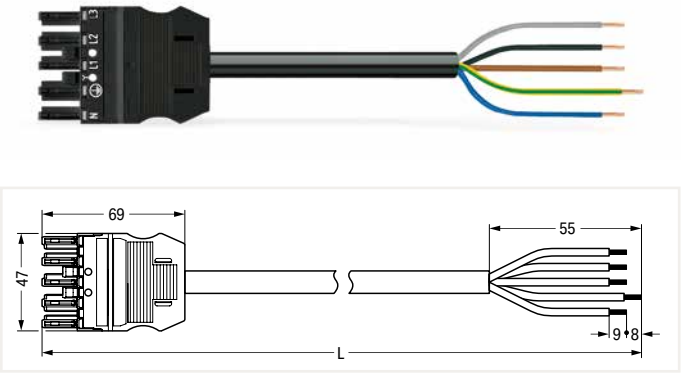
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5



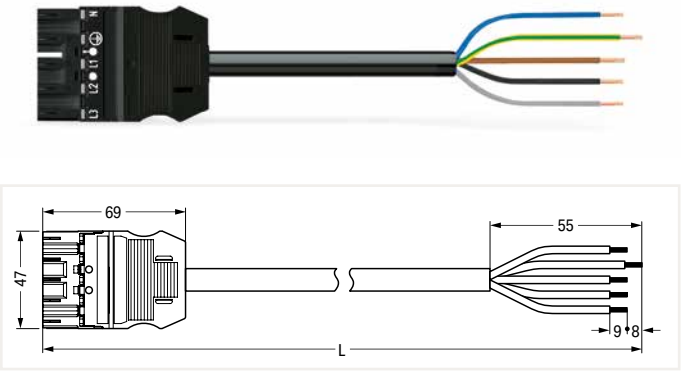
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/016-101	771-9995/016-102		1
2 m	771-9995/016-201	771-9995/016-202		1
3 m	771-9995/016-301	771-9995/016-302		1
4 m	771-9995/016-401	771-9995/016-402		1
5 m	771-9995/016-501	771-9995/016-502		1
6 m	771-9995/016-601	771-9995/016-602		1
7 m	771-9995/016-701	771-9995/016-702		1
8 m	771-9995/016-801	771-9995/016-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/116-101	771-9995/116-102		1
2 m	771-9995/116-201	771-9995/116-202		1
3 m	771-9995/116-301	771-9995/116-302		1
4 m	771-9995/116-401	771-9995/116-402		1
5 m	771-9995/116-501	771-9995/116-502		1
6 m	771-9995/116-601	771-9995/116-602		1
7 m	771-9995/116-701	771-9995/116-702		1
8 m	771-9995/116-801	771-9995/116-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/216-101	771-9995/216-102		1
2 m	771-9995/216-201	771-9995/216-202		1
3 m	771-9995/216-301	771-9995/216-302		1
4 m	771-9995/216-401	771-9995/216-402		1
5 m	771-9995/216-501	771-9995/216-502		1
6 m	771-9995/216-601	771-9995/216-602		1
7 m	771-9995/216-701	771-9995/216-702		1
8 m	771-9995/216-801	771-9995/216-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

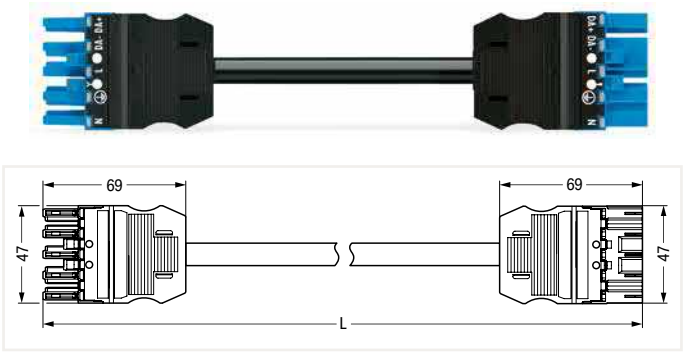
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

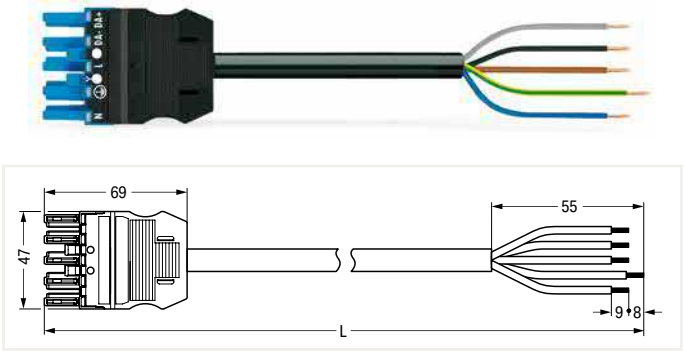
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: I ▸ Marking: N ⏚ L DA- DA+ ▸ PVC ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ for dimming function (e.g., DALI)



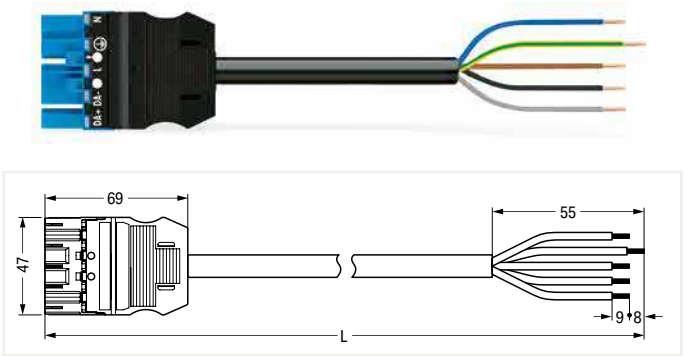
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/006-101	771-9985/006-102		1
2 m	771-9985/006-201	771-9985/006-202		1
3 m	771-9985/006-301	771-9985/006-302		1
4 m	771-9985/006-401	771-9985/006-402		1
5 m	771-9985/006-501	771-9985/006-502		1
6 m	771-9985/006-601	771-9985/006-602		1
7 m	771-9985/006-701	771-9985/006-702		1
8 m	771-9985/006-801	771-9985/006-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/106-101	771-9985/106-102		1
2 m	771-9985/106-201	771-9985/106-202		1
3 m	771-9985/106-301	771-9985/106-302		1
4 m	771-9985/106-401	771-9985/106-402		1
5 m	771-9985/106-501	771-9985/106-502		1
6 m	771-9985/106-601	771-9985/106-602		1
7 m	771-9985/106-701	771-9985/106-702		1
8 m	771-9985/106-801	771-9985/106-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/206-101	771-9985/206-102		1
2 m	771-9985/206-201	771-9985/206-202		1
3 m	771-9985/206-301	771-9985/206-302		1
4 m	771-9985/206-401	771-9985/206-402		1
5 m	771-9985/206-501	771-9985/206-502		1
6 m	771-9985/206-601	771-9985/206-602		1
7 m	771-9985/206-701	771-9985/206-702		1
8 m	771-9985/206-801	771-9985/206-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

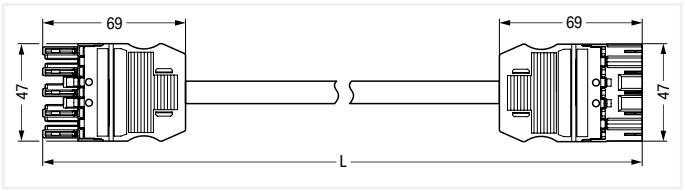
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

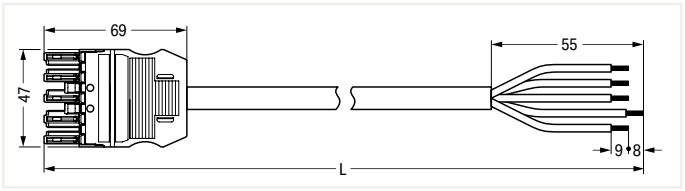
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: I ▸ Marking: N ⏚ L DA- DA+ ▸ Halogen-free ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ for dimming function (e.g., DALI)



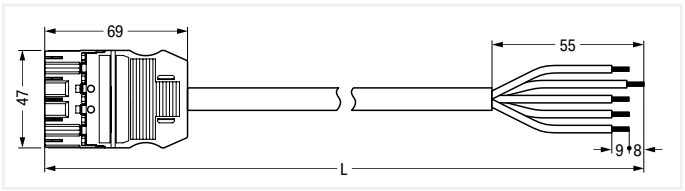
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/016-101	771-9985/016-102		1
2 m	771-9985/016-201	771-9985/016-202		1
3 m	771-9985/016-301	771-9985/016-302		1
4 m	771-9985/016-401	771-9985/016-402		1
5 m	771-9985/016-501	771-9985/016-502		1
6 m	771-9985/016-601	771-9985/016-602		1
7 m	771-9985/016-701	771-9985/016-702		1
8 m	771-9985/016-801	771-9985/016-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/116-101	771-9985/116-102		1
2 m	771-9985/116-201	771-9985/116-202		1
3 m	771-9985/116-301	771-9985/116-302		1
4 m	771-9985/116-401	771-9985/116-402		1
5 m	771-9985/116-501	771-9985/116-502		1
6 m	771-9985/116-601	771-9985/116-602		1
7 m	771-9985/116-701	771-9985/116-702		1
8 m	771-9985/116-801	771-9985/116-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/216-101	771-9985/216-102		1
2 m	771-9985/216-201	771-9985/216-202		1
3 m	771-9985/216-301	771-9985/216-302		1
4 m	771-9985/216-401	771-9985/216-402		1
5 m	771-9985/216-501	771-9985/216-502		1
6 m	771-9985/216-601	771-9985/216-602		1
7 m	771-9985/216-701	771-9985/216-702		1
8 m	771-9985/216-801	771-9985/216-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

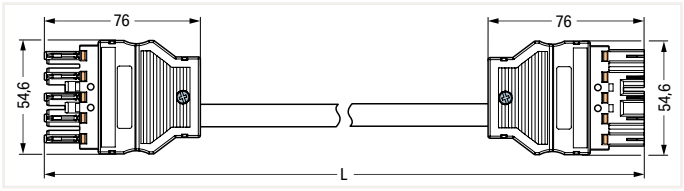
Locking lever, for flying leads; tool operated

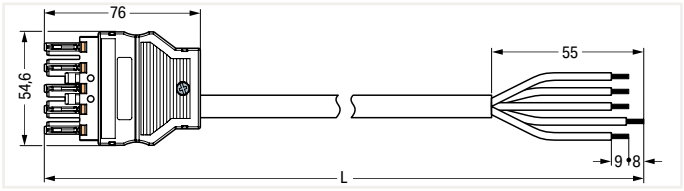
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

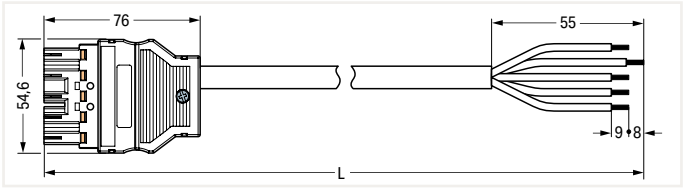
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: L ▸ Marking: N ⏚ L N' L' ▸ PVC ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/006-103	771-8985/006-104		1
2 m	771-8985/006-203	771-8985/006-204		1
3 m	771-8985/006-303	771-8985/006-304		1
4 m	771-8985/006-403	771-8985/006-404		1
5 m	771-8985/006-503	771-8985/006-504		1
6 m	771-8985/006-603	771-8985/006-604		1
7 m	771-8985/006-703	771-8985/006-704		1
8 m	771-8985/006-803	771-8985/006-804		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/106-103	771-8985/106-104		1
2 m	771-8985/106-203	771-8985/106-204		1
3 m	771-8985/106-303	771-8985/106-304		1
4 m	771-8985/106-403	771-8985/106-404		1
5 m	771-8985/106-503	771-8985/106-504		1
6 m	771-8985/106-603	771-8985/106-604		1
7 m	771-8985/106-703	771-8985/106-704		1
8 m	771-8985/106-803	771-8985/106-804		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/206-103	771-8985/206-104		1
2 m	771-8985/206-203	771-8985/206-204		1
3 m	771-8985/206-303	771-8985/206-304		1
4 m	771-8985/206-403	771-8985/206-404		1
5 m	771-8985/206-503	771-8985/206-504		1
6 m	771-8985/206-603	771-8985/206-604		1
7 m	771-8985/206-703	771-8985/206-704		1
8 m	771-8985/206-803	771-8985/206-804		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

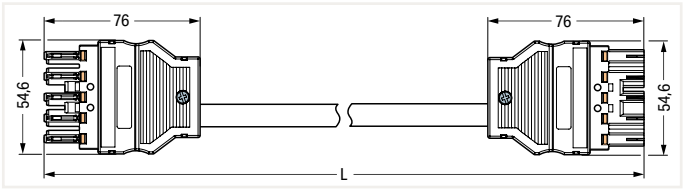
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

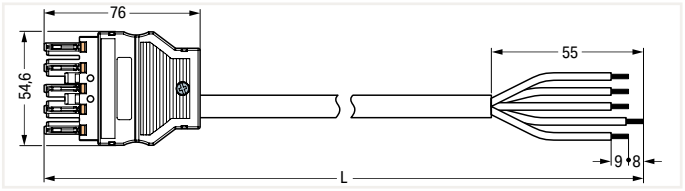
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: L ▸ Marking: N ⏚ L N' L' ▸ Halogen-free ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5



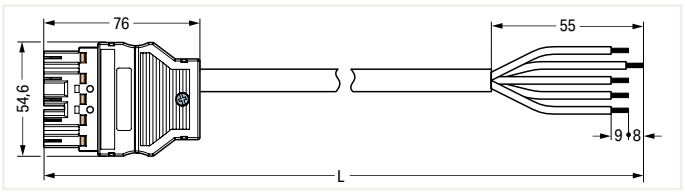
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/016-103	771-8985/016-104		1
2 m	771-8985/016-203	771-8985/016-204		1
3 m	771-8985/016-303	771-8985/016-304		1
4 m	771-8985/016-403	771-8985/016-404		1
5 m	771-8985/016-503	771-8985/016-504		1
6 m	771-8985/016-603	771-8985/016-604		1
7 m	771-8985/016-703	771-8985/016-704		1
8 m	771-8985/016-803	771-8985/016-804		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/116-103	771-8985/116-104		1
2 m	771-8985/116-203	771-8985/116-204		1
3 m	771-8985/116-303	771-8985/116-304		1
4 m	771-8985/116-403	771-8985/116-404		1
5 m	771-8985/116-503	771-8985/116-504		1
6 m	771-8985/116-603	771-8985/116-604		1
7 m	771-8985/116-703	771-8985/116-704		1
8 m	771-8985/116-803	771-8985/116-804		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/216-103	771-8985/216-104		1
2 m	771-8985/216-203	771-8985/216-204		1
3 m	771-8985/216-303	771-8985/216-304		1
4 m	771-8985/216-403	771-8985/216-404		1
5 m	771-8985/216-503	771-8985/216-504		1
6 m	771-8985/216-603	771-8985/216-604		1
7 m	771-8985/216-703	771-8985/216-704		1
8 m	771-8985/216-803	771-8985/216-804		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

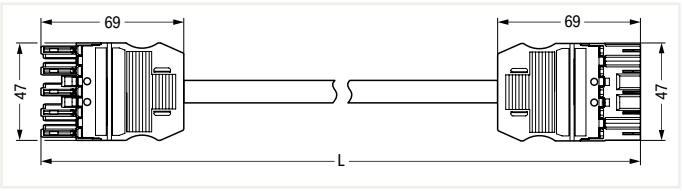
Locking lever, for flying leads; tool operated

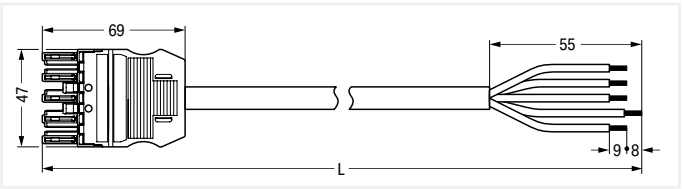
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

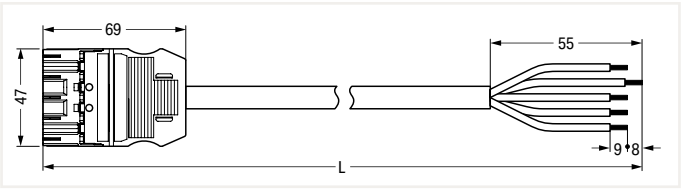
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: P ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/006-101	771-9975/006-102		1
2 m	771-9975/006-201	771-9975/006-202		1
3 m	771-9975/006-301	771-9975/006-302		1
4 m	771-9975/006-401	771-9975/006-402		1
5 m	771-9975/006-501	771-9975/006-502		1
6 m	771-9975/006-601	771-9975/006-602		1
7 m	771-9975/006-701	771-9975/006-702		1
8 m	771-9975/006-801	771-9975/006-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/106-101	771-9975/106-102		1
2 m	771-9975/106-201	771-9975/106-202		1
3 m	771-9975/106-301	771-9975/106-302		1
4 m	771-9975/106-401	771-9975/106-402		1
5 m	771-9975/106-501	771-9975/106-502		1
6 m	771-9975/106-601	771-9975/106-602		1
7 m	771-9975/106-701	771-9975/106-702		1
8 m	771-9975/106-801	771-9975/106-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/206-101	771-9975/206-102		1
2 m	771-9975/206-201	771-9975/206-202		1
3 m	771-9975/206-301	771-9975/206-302		1
4 m	771-9975/206-401	771-9975/206-402		1
5 m	771-9975/206-501	771-9975/206-502		1
6 m	771-9975/206-601	771-9975/206-602		1
7 m	771-9975/206-701	771-9975/206-702		1
8 m	771-9975/206-801	771-9975/206-802		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

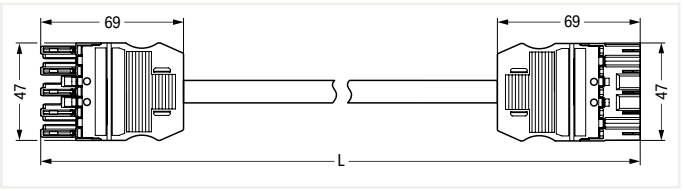
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

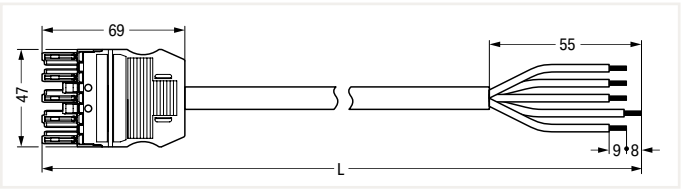
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: P ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5



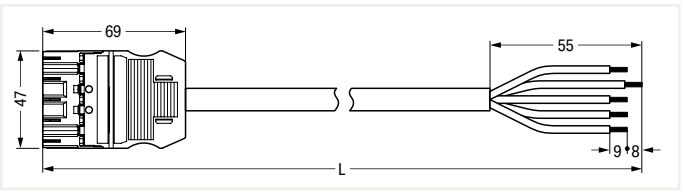
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/016-101	771-9975/016-102		1
2 m	771-9975/016-201	771-9975/016-202		1
3 m	771-9975/016-301	771-9975/016-302		1
4 m	771-9975/016-401	771-9975/016-402		1
5 m	771-9975/016-501	771-9975/016-502		1
6 m	771-9975/016-601	771-9975/016-602		1
7 m	771-9975/016-701	771-9975/016-702		1
8 m	771-9975/016-801	771-9975/016-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/116-101	771-9975/116-102		1
2 m	771-9975/116-201	771-9975/116-202		1
3 m	771-9975/116-301	771-9975/116-302		1
4 m	771-9975/116-401	771-9975/116-402		1
5 m	771-9975/116-501	771-9975/116-502		1
6 m	771-9975/116-601	771-9975/116-602		1
7 m	771-9975/116-701	771-9975/116-702		1
8 m	771-9975/116-801	771-9975/116-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/216-101	771-9975/216-102		1
2 m	771-9975/216-201	771-9975/216-202		1
3 m	771-9975/216-301	771-9975/216-302		1
4 m	771-9975/216-401	771-9975/216-402		1
5 m	771-9975/216-501	771-9975/216-502		1
6 m	771-9975/216-601	771-9975/216-602		1
7 m	771-9975/216-701	771-9975/216-702		1
8 m	771-9975/216-801	771-9975/216-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

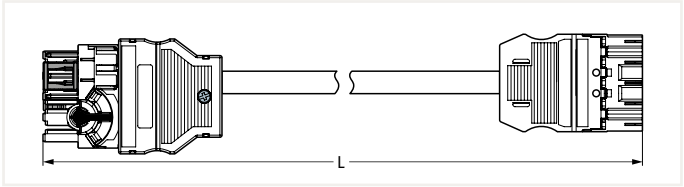
Locking lever, for flying leads; tool operated

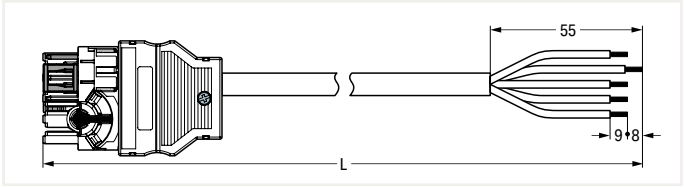
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ PVC ▸ Cable diameter: 11.2 … 13.9 mm





Interconnecting cable ▸ Distribution connector with phase selection - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8965/007-101	771-8965/007-102		1
2 m	771-8965/007-201	771-8965/007-202		1

Connecting cable ▸ Distribution connector with phase selection - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8965/107-101	771-8965/107-102		1
2 m	771-8965/107-201	771-8965/107-202		1

3

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

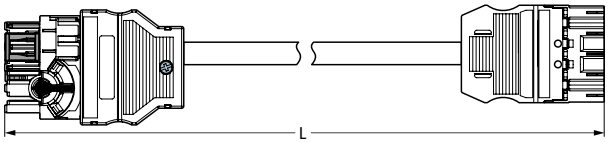
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

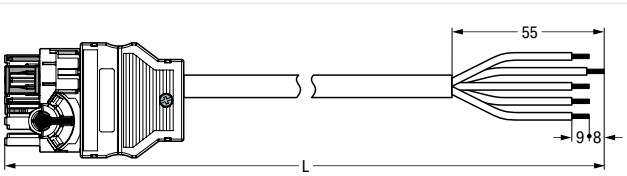
Lockout cap; for socket; separable; No. of poles: 12		
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Cable diameter: 11.2 … 13.9 mm





Interconnecting cable ▸ Distribution connector with phase selection - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8965/017-101	771-8965/017-102		1
2 m	771-8965/017-201	771-8965/017-202		1

Connecting cable ▸ Distribution connector with phase selection - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-8965/117-101	771-8965/117-102		1
2 m	771-8965/117-201	771-8965/117-202		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

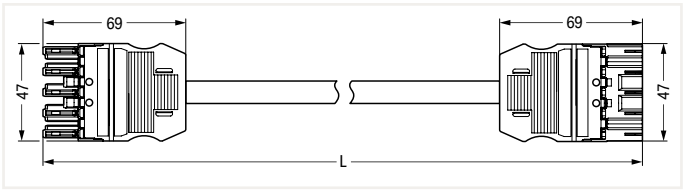
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Lockout cap; for socket; separable; No. of poles: 12		
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

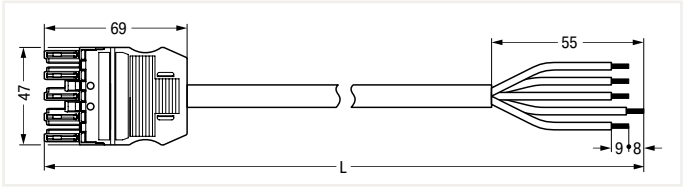
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5



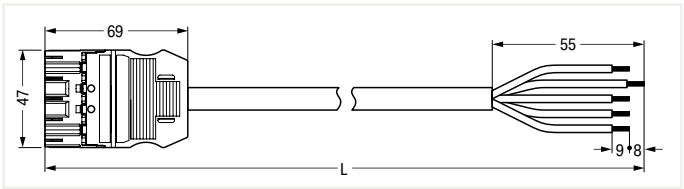
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/007-101	771-9995/007-102		1
2 m	771-9995/007-201	771-9995/007-202		1
3 m	771-9995/007-301	771-9995/007-302		1
4 m	771-9995/007-401	771-9995/007-402		1
5 m	771-9995/007-501	771-9995/007-502		1
6 m	771-9995/007-601	771-9995/007-602		1
7 m	771-9995/007-701	771-9995/007-702		1
8 m	771-9995/007-801	771-9995/007-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/107-101	771-9995/107-102		1
2 m	771-9995/107-201	771-9995/107-202		1
3 m	771-9995/107-301	771-9995/107-302		1
4 m	771-9995/107-401	771-9995/107-402		1
5 m	771-9995/107-501	771-9995/107-502		1
6 m	771-9995/107-601	771-9995/107-602		1
7 m	771-9995/107-701	771-9995/107-702		1
8 m	771-9995/107-801	771-9995/107-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/207-101	771-9995/207-102		1
2 m	771-9995/207-201	771-9995/207-202		1
3 m	771-9995/207-301	771-9995/207-302		1
4 m	771-9995/207-401	771-9995/207-402		1
5 m	771-9995/207-501	771-9995/207-502		1
6 m	771-9995/207-601	771-9995/207-602		1
7 m	771-9995/207-701	771-9995/207-702		1
8 m	771-9995/207-801	771-9995/207-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

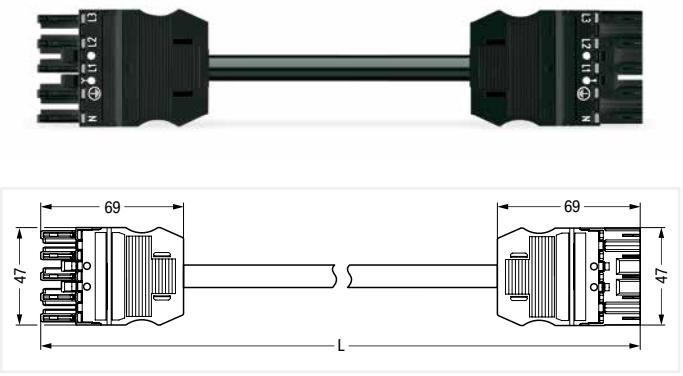
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

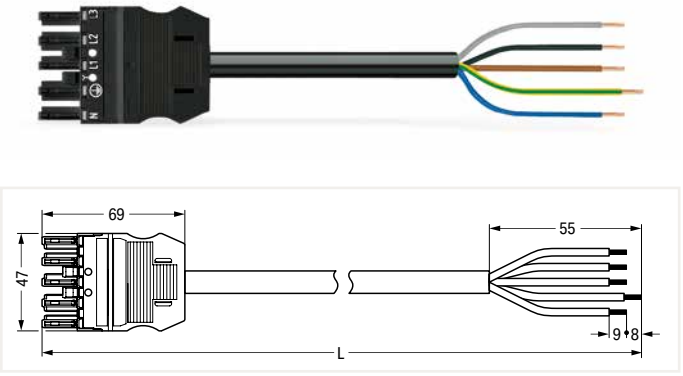
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5



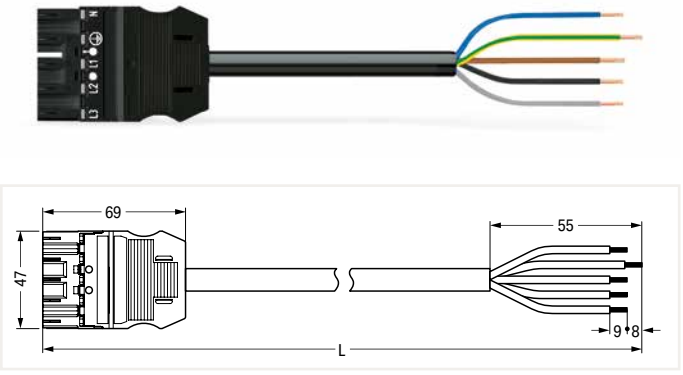
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/017-101	771-9995/017-102		1
2 m	771-9995/017-201	771-9995/017-202		1
3 m	771-9995/017-301	771-9995/017-302		1
4 m	771-9995/017-401	771-9995/017-402		1
5 m	771-9995/017-501	771-9995/017-502		1
6 m	771-9995/017-601	771-9995/017-602		1
7 m	771-9995/017-701	771-9995/017-702		1
8 m	771-9995/017-801	771-9995/017-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/117-101	771-9995/117-102		1
2 m	771-9995/117-201	771-9995/117-202		1
3 m	771-9995/117-301	771-9995/117-302		1
4 m	771-9995/117-401	771-9995/117-402		1
5 m	771-9995/117-501	771-9995/117-502		1
6 m	771-9995/117-601	771-9995/117-602		1
7 m	771-9995/117-701	771-9995/117-702		1
8 m	771-9995/117-801	771-9995/117-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9995/217-101	771-9995/217-102		1
2 m	771-9995/217-201	771-9995/217-202		1
3 m	771-9995/217-301	771-9995/217-302		1
4 m	771-9995/217-401	771-9995/217-402		1
5 m	771-9995/217-501	771-9995/217-502		1
6 m	771-9995/217-601	771-9995/217-602		1
7 m	771-9995/217-701	771-9995/217-702		1
8 m	771-9995/217-801	771-9995/217-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

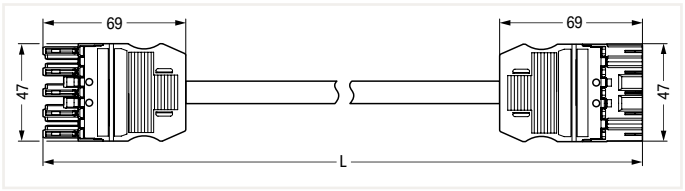
Locking lever, for flying leads; tool operated

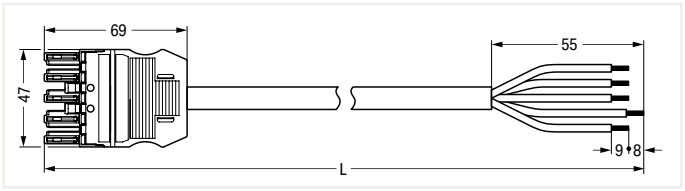
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

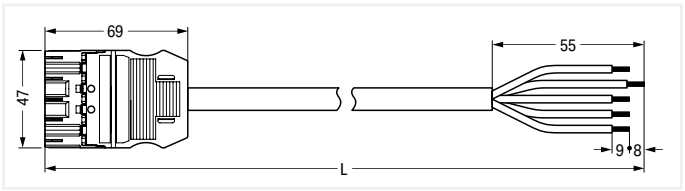
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: I ▸ Marking: N ⏚ L DA- DA+ ▸ PVC ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ for dimming function (e.g., DALI)







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/007-101	771-9985/007-102		1
2 m	771-9985/007-201	771-9985/007-202		1
3 m	771-9985/007-301	771-9985/007-302		1
4 m	771-9985/007-401	771-9985/007-402		1
5 m	771-9985/007-501	771-9985/007-502		1
6 m	771-9985/007-601	771-9985/007-602		1
7 m	771-9985/007-701	771-9985/007-702		1
8 m	771-9985/007-801	771-9985/007-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/107-101	771-9985/107-102		1
2 m	771-9985/107-201	771-9985/107-202		1
3 m	771-9985/107-301	771-9985/107-302		1
4 m	771-9985/107-401	771-9985/107-402		1
5 m	771-9985/107-501	771-9985/107-502		1
6 m	771-9985/107-601	771-9985/107-602		1
7 m	771-9985/107-701	771-9985/107-702		1
8 m	771-9985/107-801	771-9985/107-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/207-101	771-9985/207-102		1
2 m	771-9985/207-201	771-9985/207-202		1
3 m	771-9985/207-301	771-9985/207-302		1
4 m	771-9985/207-401	771-9985/207-402		1
5 m	771-9985/207-501	771-9985/207-502		1
6 m	771-9985/207-601	771-9985/207-602		1
7 m	771-9985/207-701	771-9985/207-702		1
8 m	771-9985/207-801	771-9985/207-802		1

Accessories; for all products on this page

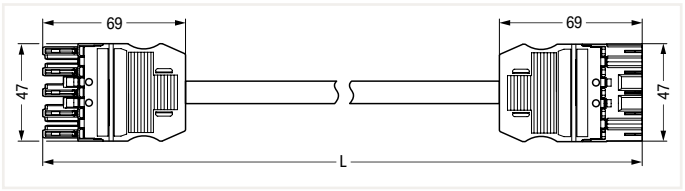
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

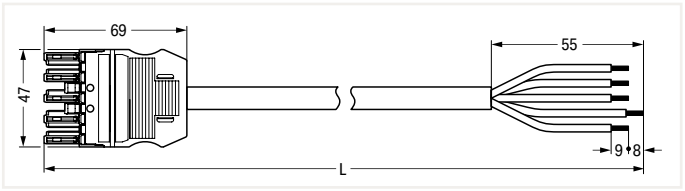
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

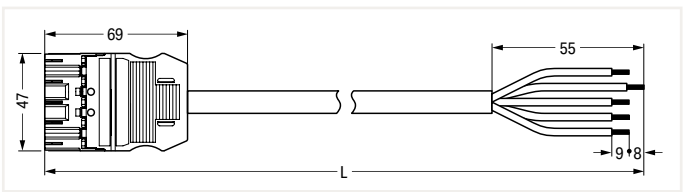
No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: I ▸ Marking: N ⏚ L DA- DA+ ▸ Halogen-free ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5 ▸ for dimming function (e.g., DALI)



Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/017-101	771-9985/017-102		1
2 m	771-9985/017-201	771-9985/017-202		1
3 m	771-9985/017-301	771-9985/017-302		1
4 m	771-9985/017-401	771-9985/017-402		1
5 m	771-9985/017-501	771-9985/017-502		1
6 m	771-9985/017-601	771-9985/017-602		1
7 m	771-9985/017-701	771-9985/017-702		1
8 m	771-9985/017-801	771-9985/017-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/117-101	771-9985/117-102		1
2 m	771-9985/117-201	771-9985/117-202		1
3 m	771-9985/117-301	771-9985/117-302		1
4 m	771-9985/117-401	771-9985/117-402		1
5 m	771-9985/117-501	771-9985/117-502		1
6 m	771-9985/117-601	771-9985/117-602		1
7 m	771-9985/117-701	771-9985/117-702		1
8 m	771-9985/117-801	771-9985/117-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	blue/black	blue/white		
1 m	771-9985/217-101	771-9985/217-102		1
2 m	771-9985/217-201	771-9985/217-202		1
3 m	771-9985/217-301	771-9985/217-302		1
4 m	771-9985/217-401	771-9985/217-402		1
5 m	771-9985/217-501	771-9985/217-502		1
6 m	771-9985/217-601	771-9985/217-602		1
7 m	771-9985/217-701	771-9985/217-702		1
8 m	771-9985/217-801	771-9985/217-802		1

Accessories; for all products on this page

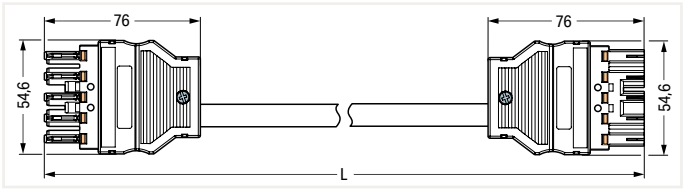
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

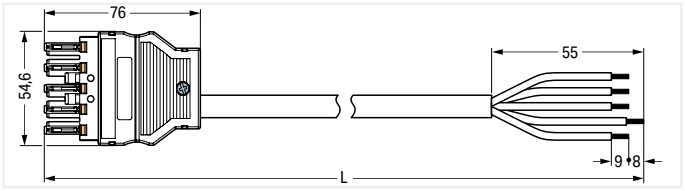
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

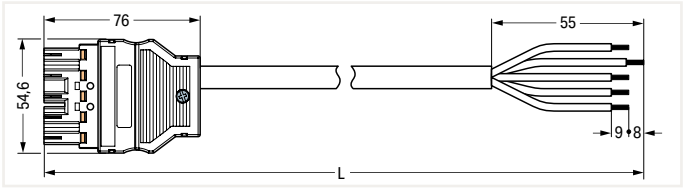
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: L ▸ Marking: N ⏚ L N' L' ▸ PVC ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/007-103	771-8985/007-104		1
2 m	771-8985/007-203	771-8985/007-204		1
3 m	771-8985/007-303	771-8985/007-304		1
4 m	771-8985/007-403	771-8985/007-404		1
5 m	771-8985/007-503	771-8985/007-504		1
6 m	771-8985/007-603	771-8985/007-604		1
7 m	771-8985/007-703	771-8985/007-704		1
8 m	771-8985/007-803	771-8985/007-804		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/107-103	771-8985/107-104		1
2 m	771-8985/107-203	771-8985/107-204		1
3 m	771-8985/107-303	771-8985/107-304		1
4 m	771-8985/107-403	771-8985/107-404		1
5 m	771-8985/107-503	771-8985/107-504		1
6 m	771-8985/107-603	771-8985/107-604		1
7 m	771-8985/107-703	771-8985/107-704		1
8 m	771-8985/107-803	771-8985/107-804		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/207-103	771-8985/207-104		1
2 m	771-8985/207-203	771-8985/207-204		1
3 m	771-8985/207-303	771-8985/207-304		1
4 m	771-8985/207-403	771-8985/207-404		1
5 m	771-8985/207-503	771-8985/207-504		1
6 m	771-8985/207-603	771-8985/207-604		1
7 m	771-8985/207-703	771-8985/207-704		1
8 m	771-8985/207-803	771-8985/207-804		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

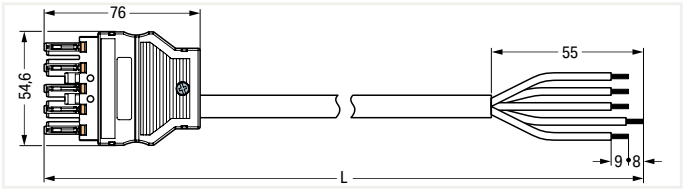
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: L ▸ Marking: N ⏚ L N' L' ▸ Halogen-free ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5

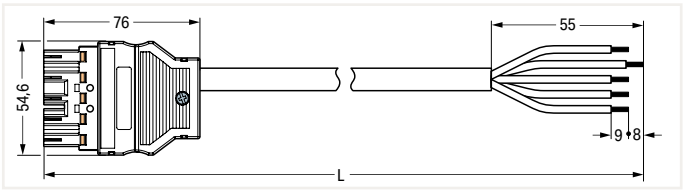
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/017-103	771-8985/017-104		1
2 m	771-8985/017-203	771-8985/017-204		1
3 m	771-8985/017-303	771-8985/017-304		1
4 m	771-8985/017-403	771-8985/017-404		1
5 m	771-8985/017-503	771-8985/017-504		1
6 m	771-8985/017-603	771-8985/017-604		1
7 m	771-8985/017-703	771-8985/017-704		1
8 m	771-8985/017-803	771-8985/017-804		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/117-103	771-8985/117-104		1
2 m	771-8985/117-203	771-8985/117-204		1
3 m	771-8985/117-303	771-8985/117-304		1
4 m	771-8985/117-403	771-8985/117-404		1
5 m	771-8985/117-503	771-8985/117-504		1
6 m	771-8985/117-603	771-8985/117-604		1
7 m	771-8985/117-703	771-8985/117-704		1
8 m	771-8985/117-803	771-8985/117-804		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	dark gray/black	dark gray/white		
1 m	771-8985/217-103	771-8985/217-104		1
2 m	771-8985/217-203	771-8985/217-204		1
3 m	771-8985/217-303	771-8985/217-304		1
4 m	771-8985/217-403	771-8985/217-404		1
5 m	771-8985/217-503	771-8985/217-504		1
6 m	771-8985/217-603	771-8985/217-604		1
7 m	771-8985/217-703	771-8985/217-704		1
8 m	771-8985/217-803	771-8985/217-804		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

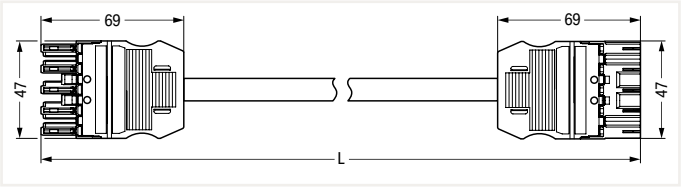
Locking lever, for flying leads; tool operated

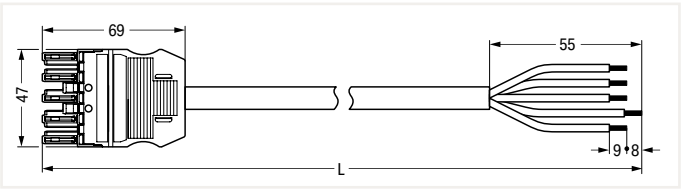
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

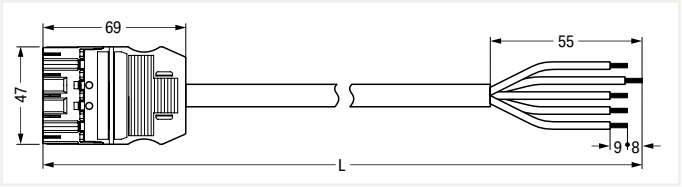
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: P ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/007-101	771-9975/007-102		1
2 m	771-9975/007-201	771-9975/007-202		1
3 m	771-9975/007-301	771-9975/007-302		1
4 m	771-9975/007-401	771-9975/007-402		1
5 m	771-9975/007-501	771-9975/007-502		1
6 m	771-9975/007-601	771-9975/007-602		1
7 m	771-9975/007-701	771-9975/007-702		1
8 m	771-9975/007-801	771-9975/007-802		1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/107-101	771-9975/107-102		1
2 m	771-9975/107-201	771-9975/107-202		1
3 m	771-9975/107-301	771-9975/107-302		1
4 m	771-9975/107-401	771-9975/107-402		1
5 m	771-9975/107-501	771-9975/107-502		1
6 m	771-9975/107-601	771-9975/107-602		1
7 m	771-9975/107-701	771-9975/107-702		1
8 m	771-9975/107-801	771-9975/107-802		1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/207-101	771-9975/207-102		1
2 m	771-9975/207-201	771-9975/207-202		1
3 m	771-9975/207-301	771-9975/207-302		1
4 m	771-9975/207-401	771-9975/207-402		1
5 m	771-9975/207-501	771-9975/207-502		1
6 m	771-9975/207-601	771-9975/207-602		1
7 m	771-9975/207-701	771-9975/207-702		1
8 m	771-9975/207-801	771-9975/207-802		1

Accessories; for all products on this page

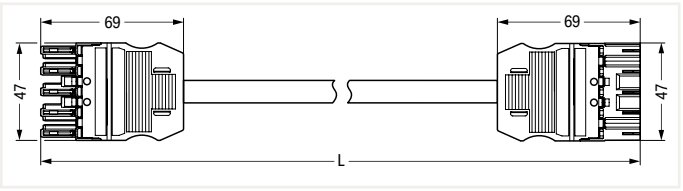
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

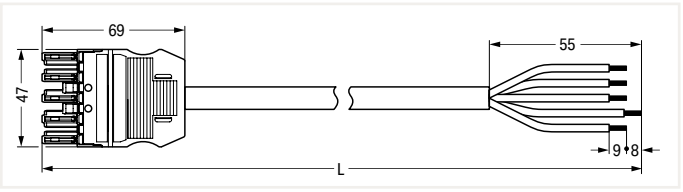
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: P ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5



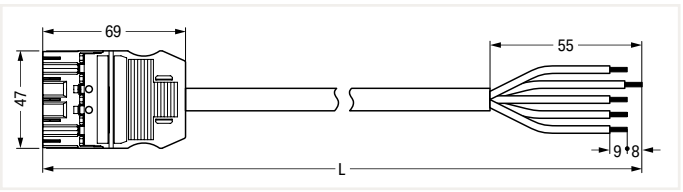
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/017-101	771-9975/017-102		1
2 m	771-9975/017-201	771-9975/017-202		1
3 m	771-9975/017-301	771-9975/017-302		1
4 m	771-9975/017-401	771-9975/017-402		1
5 m	771-9975/017-501	771-9975/017-502		1
6 m	771-9975/017-601	771-9975/017-602		1
7 m	771-9975/017-701	771-9975/017-702		1
8 m	771-9975/017-801	771-9975/017-802		1



Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/117-101	771-9975/117-102		1
2 m	771-9975/117-201	771-9975/117-202		1
3 m	771-9975/117-301	771-9975/117-302		1
4 m	771-9975/117-401	771-9975/117-402		1
5 m	771-9975/117-501	771-9975/117-502		1
6 m	771-9975/117-601	771-9975/117-602		1
7 m	771-9975/117-701	771-9975/117-702		1
8 m	771-9975/117-801	771-9975/117-802		1



Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm

Total length	Connector color/Strain relief color			PU
	red/black	red/white		
1 m	771-9975/217-101	771-9975/217-102		1
2 m	771-9975/217-201	771-9975/217-202		1
3 m	771-9975/217-301	771-9975/217-302		1
4 m	771-9975/217-401	771-9975/217-402		1
5 m	771-9975/217-501	771-9975/217-502		1
6 m	771-9975/217-601	771-9975/217-602		1
7 m	771-9975/217-701	771-9975/217-702		1
8 m	771-9975/217-801	771-9975/217-802		1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

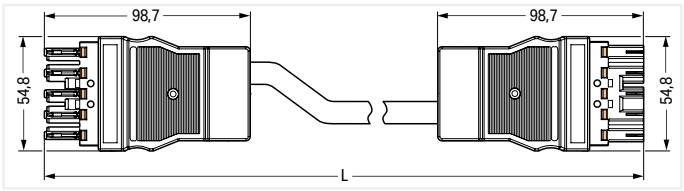
Locking lever, for flying leads; tool operated

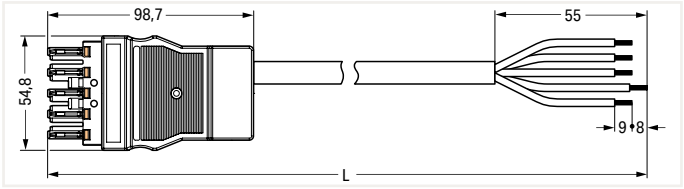
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

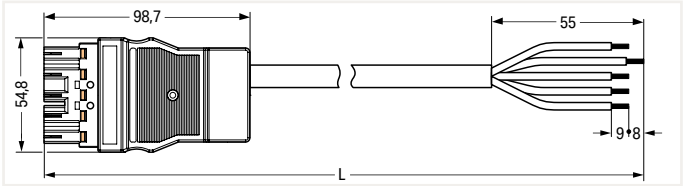
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 4 mm² ▸ Coding: A ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Cable diameter: 13 … 16.1 mm ▸ H05VV-F 5G4







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-8995/008-101			1
2 m	771-8995/008-201			1
3 m	771-8995/008-301			1
4 m	771-8995/008-401			1
5 m	771-8995/008-501			1
6 m	771-8995/008-601			1
7 m	771-8995/008-701			1
8 m	771-8995/008-801			1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-8995/108-101			1
2 m	771-8995/108-201			1
3 m	771-8995/108-301			1
4 m	771-8995/108-401			1
5 m	771-8995/108-501			1
6 m	771-8995/108-601			1
7 m	771-8995/108-701			1
8 m	771-8995/108-801			1

Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-8995/208-101			1
2 m	771-8995/208-201			1
3 m	771-8995/208-301			1
4 m	771-8995/208-401			1
5 m	771-8995/208-501			1
6 m	771-8995/208-601			1
7 m	771-8995/208-701			1
8 m	771-8995/208-801			1

3

Accessories; for all products on this page

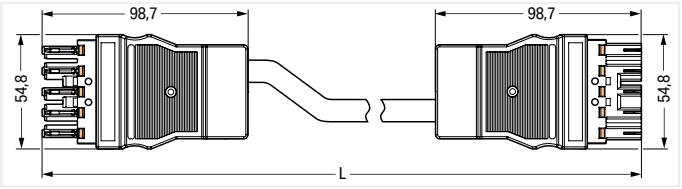
Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

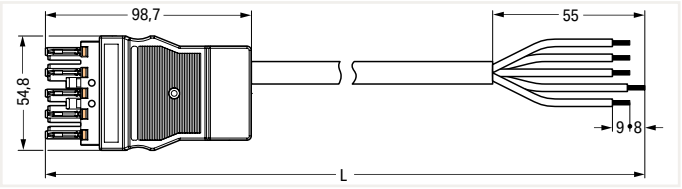
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

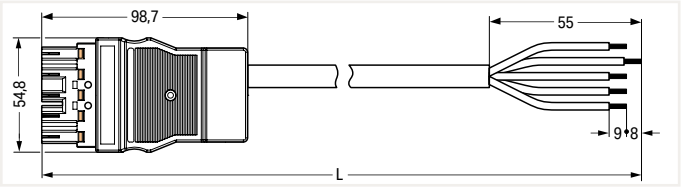
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ 4 mm² ▸ Coding: A ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Cable diameter: 13 … 16.1 mm ▸ H05Z1Z1-F 5G4







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-8995/018-101			1
2 m	771-8995/018-201			1
3 m	771-8995/018-301			1
4 m	771-8995/018-401			1
5 m	771-8995/018-501			1
6 m	771-8995/018-601			1
7 m	771-8995/018-701			1
8 m	771-8995/018-801			1

Connecting cable ▸ Socket - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-8995/118-101			1
2 m	771-8995/118-201			1
3 m	771-8995/118-301			1
4 m	771-8995/118-401			1
5 m	771-8995/118-501			1
6 m	771-8995/118-601			1
7 m	771-8995/118-701			1
8 m	771-8995/118-801			1

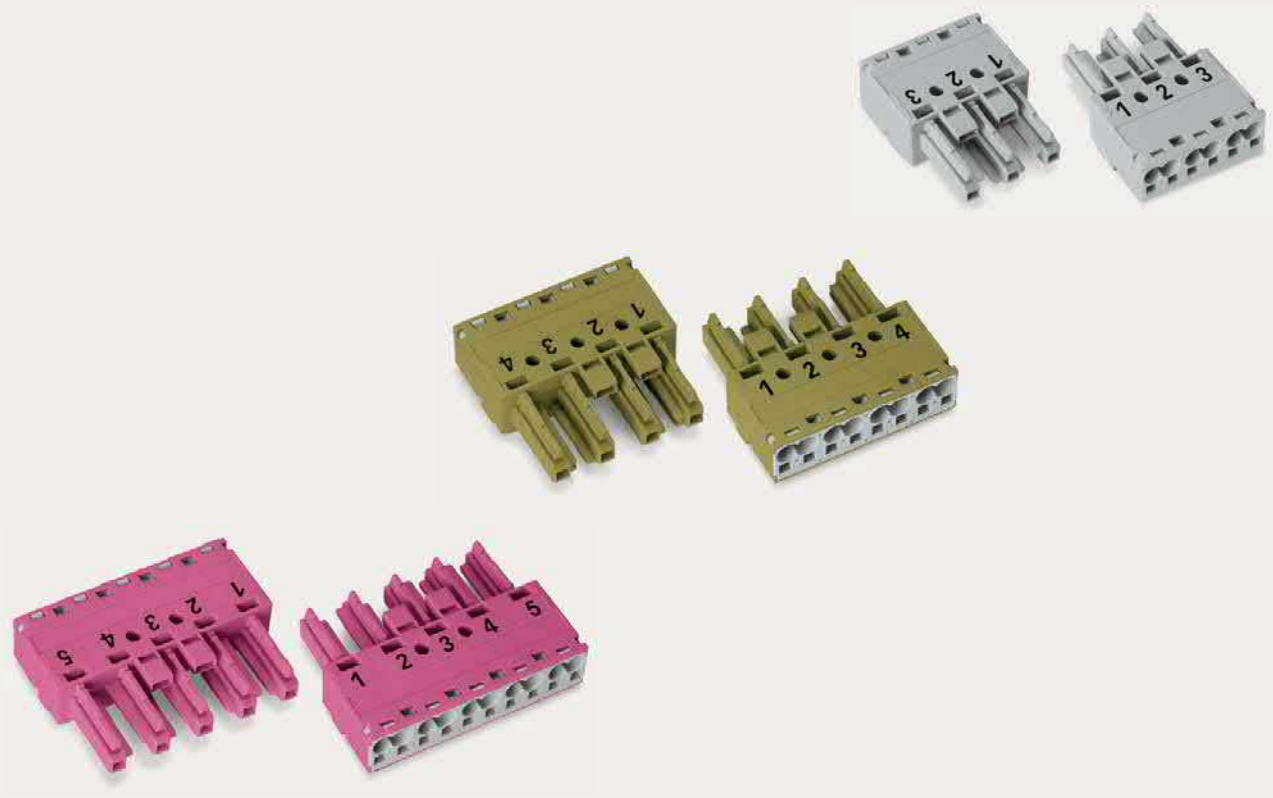
Connecting cable ▸ Plug - Free end ▸ Strip length: 55 mm				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	771-8995/218-101			1
2 m	771-8995/218-201			1
3 m	771-8995/218-301			1
4 m	771-8995/218-401			1
5 m	771-8995/218-501			1
6 m	771-8995/218-601			1
7 m	771-8995/218-701			1
8 m	771-8995/218-801			1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm



WAGO Pluggable Connection System *WINSTA*® MIDI special

Important note:

B-Coded components of the *WINSTA*® MIDI special series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984. In addition to the gray models rated from 110 to 400 V, there is now also a variant in light green for low voltages up to 48 V, as well as a pink one for bus applications. Each of the three versions is available in 2-, 3- or 4- and 5-pole configurations. Pole marking can be printed at the factory to suit customer requirements. B-coded products are protected against mismating with all other coding types found in the *WINSTA*® system. Within B-coding, all special variants can mate with each other. The variable coding system provides clear circuit identification. Special variants can be clearly differentiated according to color and pole marking. They can be coded on-site or delivered with factory-installed custom coding.

PUSH-IN CAGE CLAMP®

WAGO Pluggable Connection System *WINSTA*® MIDI special ▸ 770, 771 Series
4 mm² / 25 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

Pluggable Connectors; 770 Series — Page
2-pole 310
3-pole 322
4-pole 340
5-pole 356

Snap-In Device Connectors; 770 Series
3-pole 326
4-pole 342
5-pole 358

Pluggable PCB Connectors; 770 Series
3-pole 328
4-pole 344
5-pole 360

Distribution Connectors; 770 Series
2-pole 312
3-pole 332
4-pole 348
5-pole 364

Cable Assemblies; 771 Series
2-pole 318
3-pole 336
4-pole 352
5-pole 368

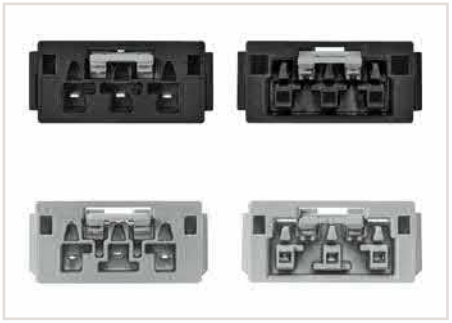
4

PUSH-IN CAGE CLAMP®

WINSTA® MIDI special ▸ 770, 771 Series
Description and Installation

Gray, B-coded connector with "3 2 1" marking, e.g., control signal (A circuit)

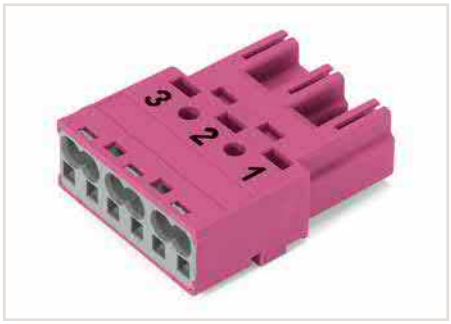
Easy circuit identification via different marking and colors



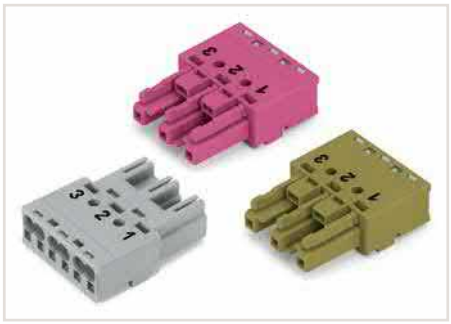
B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

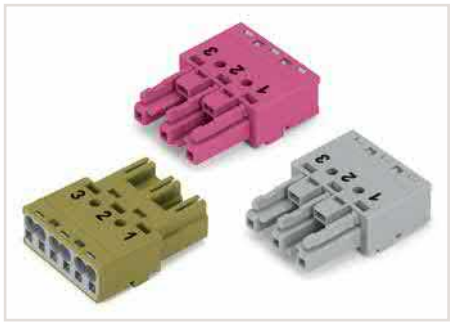
4

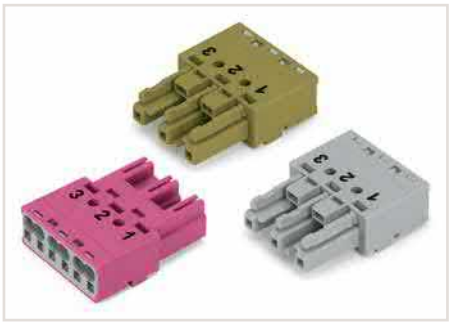
Light green, B-coded connector with "3 2 1" marking, e.g., DC power supply (24 V circuit)



Pink, B-coded connector with "3 2 1" marking, e.g., control signal (B circuit)



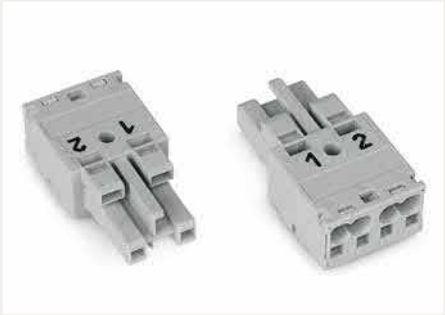




B-coded connectors with different colors can be plugged together.
Important note:
Different colors and/or pole markings are used for circuit identification.
Only connectors of the same color and same pole marking must be plugged together.

Installation notes for conductor connection, shield termination, operating tools and mounting aids for *WINSTA*® MIDI special pluggable connectors, see page 172.

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 2



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

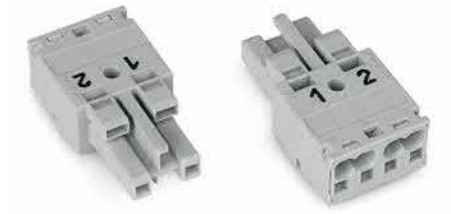
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

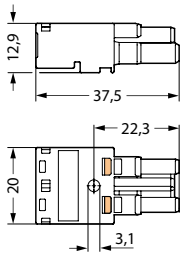
General accessory	Page 496
Strain relief	Page 489
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 2

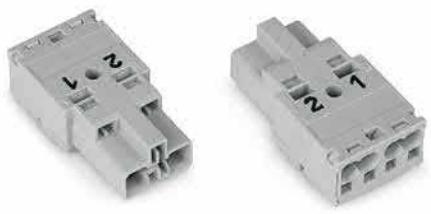
Female connector/socket



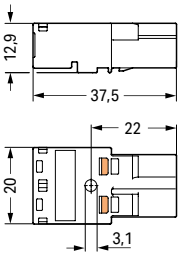
Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-242	100
gray	B	L N	770-242/060-000	100
light green	B	1 2	770-262	100
pink	B	+ -	770-282/082-000	100
pink	B	1 2	770-282	100
pink	B	I+ I-	770-282/080-000	100



Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-252	100
gray	B	L N	770-252/060-000	100
light green	B	1 2	770-272	100
pink	B	+ -	770-292/082-000	100
pink	B	1 2	770-292	100
pink	B	I+ I-	770-292/080-000	100



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 2

Item No.	PU
770-382	1

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length: 35 mm

Color	Item No.	PU
black	770-502/042-000	50
white	770-512/042-000	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

4

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

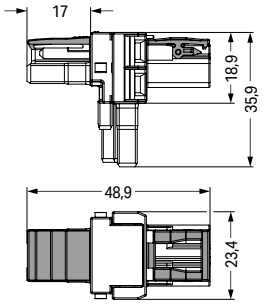
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 2

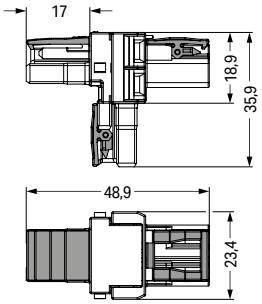
T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1601	50
light green	B	1 2	770-1602	50
pink	B	1 2	770-1603	50



T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1701	50
light green	B	1 2	770-1702	50
pink	B	1 2	770-1703	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

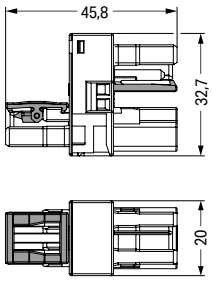
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 2

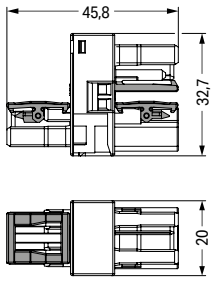
h-distribution connector, bi-directional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1608	50
light green	B	1 2	770-1609	50
pink	B	1 2	770-1610	50



h-distribution connector, bi-directional ▸ Number of locking levers: 3 ▸ for flying leads

Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1658	50
light green	B	1 2	770-1659	50
pink	B	1 2	770-1660	50



4

Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 2

Color	Item No.	PU
black	770-1626	25
	770-1627	25

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

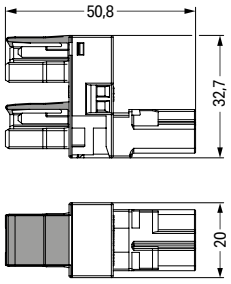
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 2

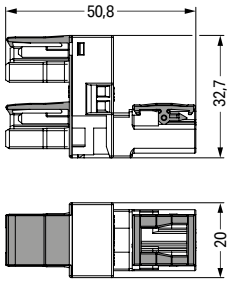
h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1651	50
light green	B	1 2	770-1652	50
pink	B	1 2	770-1653	50



h-distribution connector, unidirectional ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1751	50
light green	B	1 2	770-1752	50
pink	B	1 2	770-1753	50



4

Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 2

Color	Item No.	PU
black	770-1626	25
	770-1627	25

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

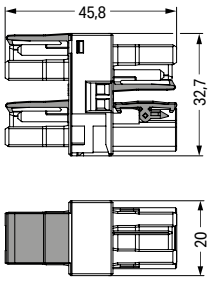
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 2

Distribution connector, 3-way

Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1704	50
light green	B	1 2	770-1705	50
pink	B	1 2	770-1706	50



Accessories; for all products on this page

Mounting plate; for distribution connector; No. of poles: 2

Color	Item No.	PU
black	770-1626	25
	770-1627	25

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

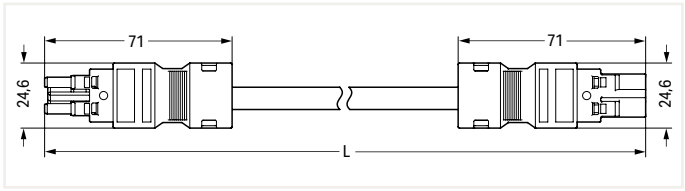
Marking Page 511

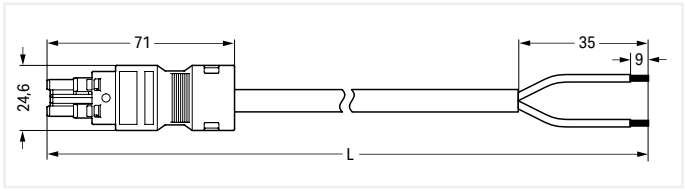
Additional information, see “Technical Section”

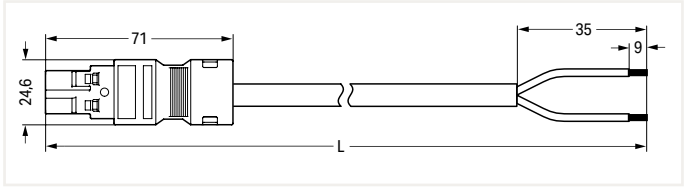
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 5.9 … 7.5 mm ▸ Control line 2 x 1







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-8992/005-103	771-8992/005-105	771-8992/005-107	1
2 m	771-8992/005-203	771-8992/005-205	771-8992/005-207	1
3 m	771-8992/005-303	771-8992/005-305	771-8992/005-307	1
4 m	771-8992/005-403	771-8992/005-405	771-8992/005-407	1
5 m	771-8992/005-503	771-8992/005-505	771-8992/005-507	1
6 m	771-8992/005-603	771-8992/005-605	771-8992/005-607	1
7 m	771-8992/005-703	771-8992/005-705	771-8992/005-707	1
8 m	771-8992/005-803	771-8992/005-805	771-8992/005-807	1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-8992/105-103	771-8992/105-105	771-8992/105-107	1
2 m	771-8992/105-203	771-8992/105-205	771-8992/105-207	1
3 m	771-8992/105-303	771-8992/105-305	771-8992/105-307	1
4 m	771-8992/105-403	771-8992/105-405	771-8992/105-407	1
5 m	771-8992/105-503	771-8992/105-505	771-8992/105-507	1
6 m	771-8992/105-603	771-8992/105-605	771-8992/105-607	1
7 m	771-8992/105-703	771-8992/105-705	771-8992/105-707	1
8 m	771-8992/105-803	771-8992/105-805	771-8992/105-807	1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-8992/205-103	771-8992/205-105	771-8992/205-107	1
2 m	771-8992/205-203	771-8992/205-205	771-8992/205-207	1
3 m	771-8992/205-303	771-8992/205-305	771-8992/205-307	1
4 m	771-8992/205-403	771-8992/205-405	771-8992/205-407	1
5 m	771-8992/205-503	771-8992/205-505	771-8992/205-507	1
6 m	771-8992/205-603	771-8992/205-605	771-8992/205-607	1
7 m	771-8992/205-703	771-8992/205-705		1
8 m	771-8992/205-803	771-8992/205-805		1

4

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

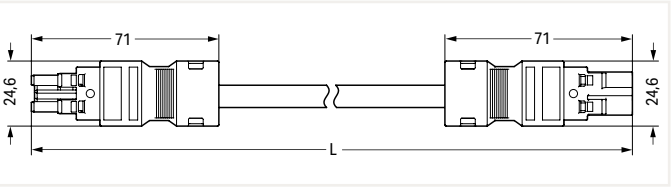
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

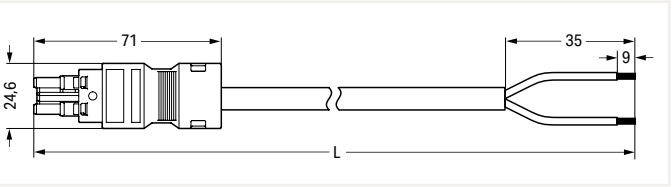
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

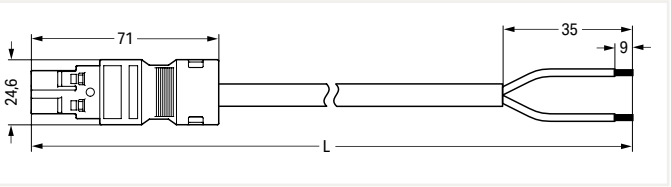
- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 2 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 6.8 … 8.6 mm ▸ Control line 2 x 1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-8992/006-103	771-8992/006-105	771-8992/006-107	1
2 m	771-8992/006-203	771-8992/006-205	771-8992/006-207	1
3 m	771-8992/006-303	771-8992/006-305	771-8992/006-307	1
4 m	771-8992/006-403	771-8992/006-405	771-8992/006-407	1
5 m	771-8992/006-503	771-8992/006-505	771-8992/006-507	1
6 m	771-8992/006-603	771-8992/006-605	771-8992/006-607	1
7 m	771-8992/006-703	771-8992/006-705	771-8992/006-707	1
8 m	771-8992/006-803	771-8992/006-805	771-8992/006-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-8992/106-103	771-8992/106-105	771-8992/106-107	1
2 m	771-8992/106-203	771-8992/106-205	771-8992/106-207	1
3 m	771-8992/106-303	771-8992/106-305	771-8992/106-307	1
4 m	771-8992/106-403	771-8992/106-405	771-8992/106-407	1
5 m	771-8992/106-503	771-8992/106-505	771-8992/106-507	1
6 m	771-8992/106-603	771-8992/106-605	771-8992/106-607	1
7 m	771-8992/106-703	771-8992/106-705	771-8992/106-707	1
8 m	771-8992/106-803	771-8992/106-805	771-8992/106-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-8992/206-103	771-8992/206-105	771-8992/206-107	1
2 m	771-8992/206-203	771-8992/206-205	771-8992/206-207	1
3 m	771-8992/206-303	771-8992/206-305	771-8992/206-307	1
4 m	771-8992/206-403	771-8992/206-405	771-8992/206-407	1
5 m	771-8992/206-503	771-8992/206-505	771-8992/206-507	1
6 m	771-8992/206-603	771-8992/206-605	771-8992/206-607	1
7 m	771-8992/206-703	771-8992/206-705	771-8992/206-707	1
8 m	771-8992/206-803	771-8992/206-805	771-8992/206-807	1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data

Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data

Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data

Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

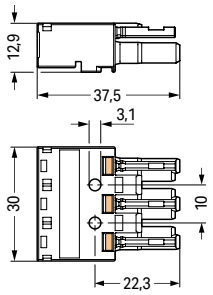
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding	Page 486
Marking	Page 511
Strain relief	Page 490
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-243	100
gray	B	L ⏚ N	770-243/060-000	100
gray	B	2 PE 1	770-243/062-000	100
gray	B	1 2 5	770-243/081-000	100
light green	B	1 2 3	770-263	100
light green	B	U+ X/Y U-	770-263/071-000	100
light green	B	1 ⏚ 2	770-263/073-000	100
pink	B	1 2 3	770-283	100
pink	B	1 2 5	770-283/081-000	100
pink	B	+ S -	770-283/082-000	100



Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

Item No.	PU
770-383	1

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-503	50
white	770-513	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

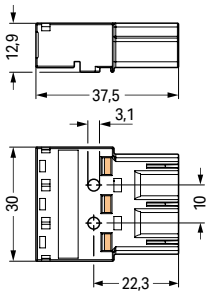
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-253	100
gray	B	L ⏚ N	770-253/060-000	100
gray	B	2 PE 1	770-253/062-000	100
gray	B	1 2 5	770-253/081-000	100
light green	B	1 2 3	770-273	100
light green	B	U+ X/Y U-	770-273/071-000	100
light green	B	1 ⏚ 2	770-273/073-000	100
pink	B	1 2 3	770-293	100
pink	B	1 2 5	770-293/081-000	100
pink	B	+ S -	770-293/082-000	100



Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

Item No.	PU
770-383	1

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-503	50
white	770-513	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Snap-In Device Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

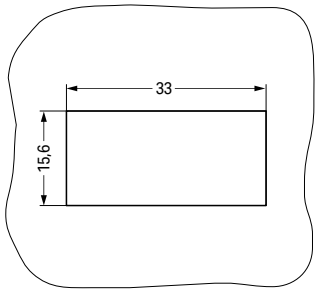


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

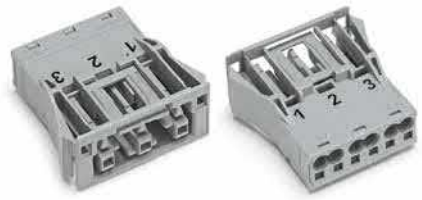
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

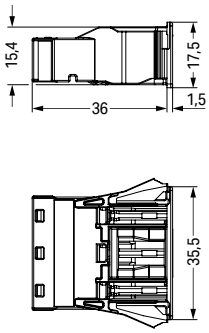
Coding	Page 486
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Snap-In Device Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

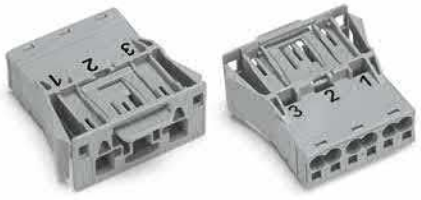
Female connector/socket



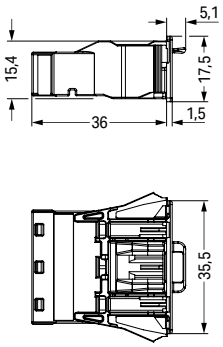
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-743	100
gray	B	L ⏚ N	770-743/060-000	100
gray	B	2 PE 1	770-743/062-000	100
light green	B	1 2 3	770-763	100
light green	B	U+ X/Y U-	770-763/071-000	100
light green	B	1 ⏚ 2	770-763/073-000	100
pink	B	I+ I-	770-783/081-000	100
pink	B	1 2 3	770-783	100
pink	B	+ S -	770-783/082-000	100



Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-753	100
gray	B	L ⏚ N	770-753/060-000	100
gray	B	2 PE 1	770-753/062-000	100
light green	B	1 2 3	770-773	100
light green	B	U+ X/Y U-	770-773/071-000	100
light green	B	1 ⏚ 2	770-773/073-000	100
pink	B	I+ I-	770-793/081-000	100
pink	B	1 2 3	770-793	100
pink	B	+ S -	770-793/082-000	100



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Operating tool; for *WINSTA*® MIDI connectors; No. of poles: 3

Item No.	PU (SPU)
770-383	50 (1)

Lockout cap; for cutout; No. of poles: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.5^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

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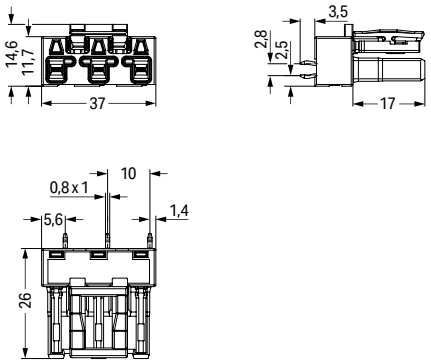
Additional information, see “Technical Section”

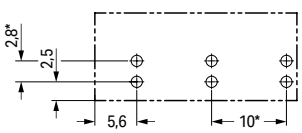
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-843	100
gray	B	L ⏚ N	770-843/060-000	100
gray	B	2 PE 1	770-843/062-000	100
light green	B	1 2 3	770-863	100
light green	B	U+ X/Y U-	770-863/071-000	100
light green	B	1 ⏚ 2	770-863/073-000	100
pink	B	1 2 3	770-883	100
pink	B	1 2 5	770-883/081-000	100
pink	B	+ S -	770-883/082-000	100

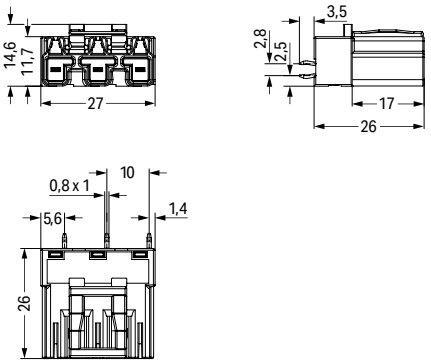


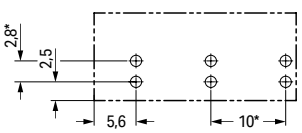


* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-853	100
gray	B	L ⏚ N	770-853/060-000	100
gray	B	2 PE 1	770-853/062-000	100
light green	B	1 2 3	770-873	100
light green	B	U+ X/Y U-	770-873/071-000	100
light green	B	1 ⏚ 2	770-873/073-000	100
pink	B	1 2 3	770-893	100
pink	B	1 2 5	770-893/081-000	100
pink	B	+ S -	770-893/082-000	100





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

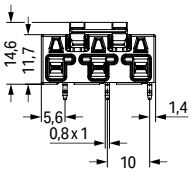
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

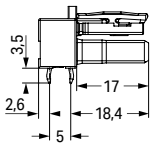
Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

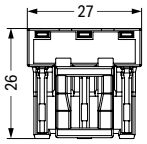
4

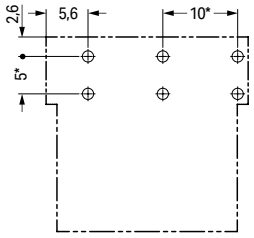
Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-843/011-000	100
gray	B	L ⏚ N	770-843/011-000/060-000	100
gray	B	2 PE 1	770-843/011-000/062-000	100
light green	B	1 2 3	770-863/011-000	100
light green	B	U+ X/Y U-	770-863/011-000/071-000	100
light green	B	1 ⏚ 2	770-863/011-000/073-000	100
pink	B	1 2 3	770-883/011-000	100
pink	B	1 2 5	770-883/011-000/081-000	100
pink	B	+ S -	770-883/011-000/082-000	100









* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

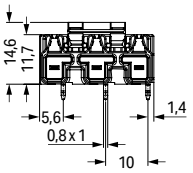
Item-Specific Accessories

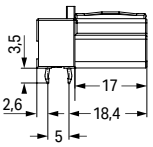
Lockout cap; for socket; separable; No. of poles: 12

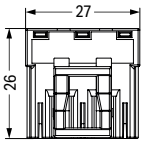
Color	Item No.	PU
black	770-201	100
white	770-221	100

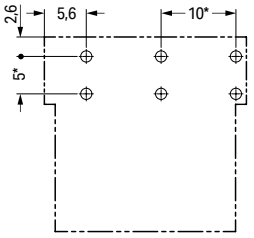
Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-853/011-000	100
gray	B	L ⏚ N	770-853/011-000/060-000	100
gray	B	2 PE 1	770-853/011-000/062-000	100
light green	B	1 2 3	770-873/011-000	100
light green	B	U+ X/Y U-	770-873/011-000/071-000	100
light green	B	1 ⏚ 2	770-873/011-000/073-000	100
pink	B	1 2 3	770-893/011-000	100
pink	B	1 2 5	770-893/011-000/081-000	100
pink	B	+ S -	770-893/011-000/082-000	100









* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	25 A	-	-	
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

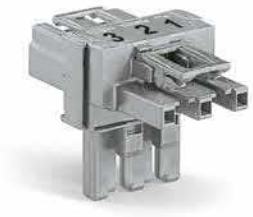
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Additional information, see “Technical Section”

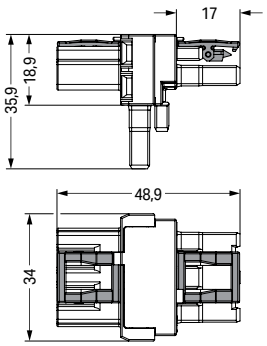
Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

T-distribution connector ▸ Number of locking levers: 2



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-967	50
light green	B	1 2 3	770-1612	50
pink	B	1 2 3	770-1613	50



T-distribution connector ▸ Number of locking levers: 3

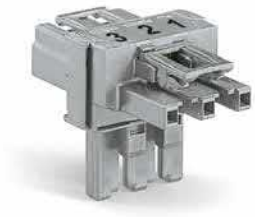
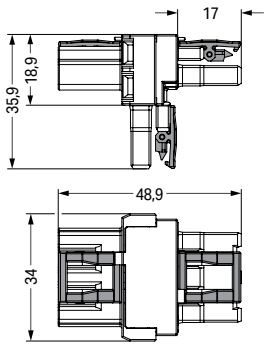


Fig. similar

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-970	50
light green	B	1 2 3	770-1712	50
pink	B	1 2 3	770-1713	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

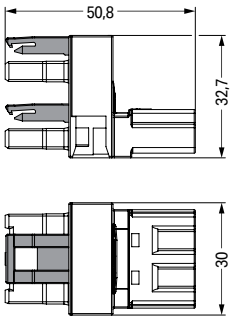
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

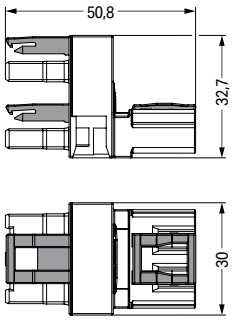
h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-1661	50
light green	B	1 2 3	770-1662	50
pink	B	1 2 3	770-1663	50



h-distribution connector, unidirectional ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-1761	50
light green	B	1 2 3	770-1762	50
pink	B	1 2 3	770-1763	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 3

Color	Item No.	PU
black	770-623	25
white	770-673	25

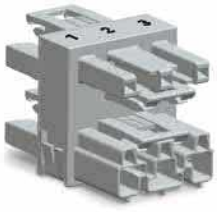
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

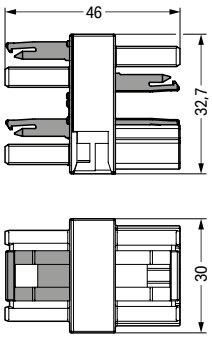
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 3

Distribution connector, 3-way



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-1714	50
light green	B	1 2 3	770-1715	50
pink	B	1 2 3	770-1716	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 3

Color	Item No.	PU
black	770-623	25
white	770-673	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series
No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

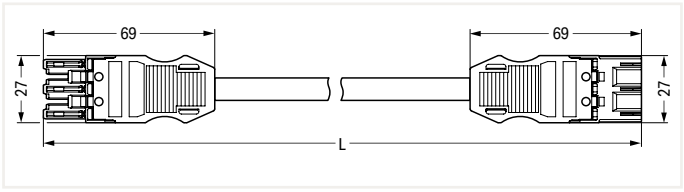
Marking Page 511

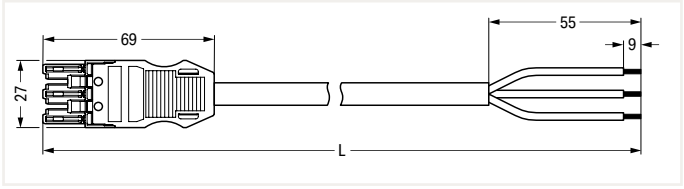
Additional information, see “Technical Section”

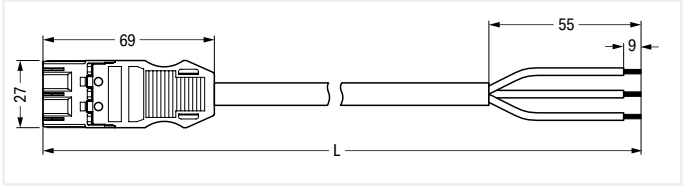
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 6.3 … 8 mm ▸ Control line 3 x 1







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9993/005-103	771-9993/005-105	771-9993/005-107	1
2 m	771-9993/005-203	771-9993/005-205	771-9993/005-207	1
3 m	771-9993/005-303	771-9993/005-305	771-9993/005-307	1
4 m	771-9993/005-403	771-9993/005-405	771-9993/005-407	1
5 m	771-9993/005-503	771-9993/005-505	771-9993/005-507	1
6 m	771-9993/005-603	771-9993/005-605	771-9993/005-607	1
7 m	771-9993/005-703	771-9993/005-705	771-9993/005-707	1
8 m	771-9993/005-803	771-9993/005-805	771-9993/005-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9993/105-103	771-9993/105-105	771-9993/105-107	1
2 m	771-9993/105-203	771-9993/105-205	771-9993/105-207	1
3 m	771-9993/105-303	771-9993/105-305	771-9993/105-307	1
4 m	771-9993/105-403	771-9993/105-405	771-9993/105-407	1
5 m	771-9993/105-503	771-9993/105-505	771-9993/105-507	1
6 m	771-9993/105-603	771-9993/105-605	771-9993/105-607	1
7 m	771-9993/105-703	771-9993/105-705	771-9993/105-707	1
8 m	771-9993/105-803	771-9993/105-805	771-9993/105-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9993/205-103	771-9993/205-105	771-9993/205-107	1
2 m	771-9993/205-203	771-9993/205-205	771-9993/205-207	1
3 m	771-9993/205-303	771-9993/205-305	771-9993/205-307	1
4 m	771-9993/205-403	771-9993/205-405	771-9993/205-407	1
5 m	771-9993/205-503	771-9993/205-505	771-9993/205-507	1
6 m	771-9993/205-603	771-9993/205-605	771-9993/205-607	1
7 m	771-9993/205-703	771-9993/205-705	771-9993/205-707	1
8 m	771-9993/205-803	771-9993/205-805	771-9993/205-807	1

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Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

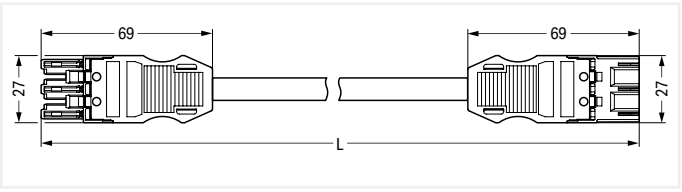
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

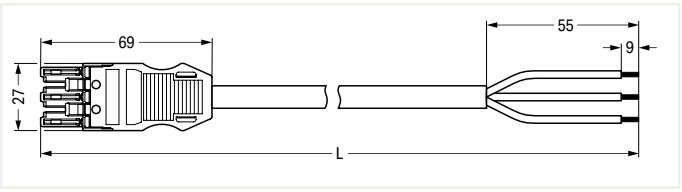
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

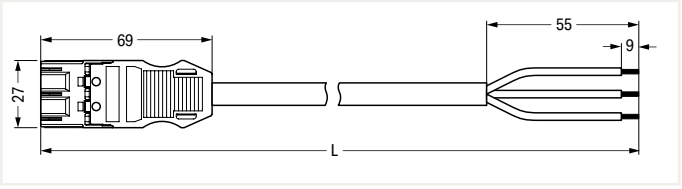
- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 7.4 … 9.4 mm ▸ Control line 3 x 1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9993/006-103	771-9993/006-105	771-9993/006-107	1
2 m	771-9993/006-203	771-9993/006-205	771-9993/006-207	1
3 m	771-9993/006-303	771-9993/006-305	771-9993/006-307	1
4 m	771-9993/006-403	771-9993/006-405	771-9993/006-407	1
5 m	771-9993/006-503	771-9993/006-505	771-9993/006-507	1
6 m	771-9993/006-603	771-9993/006-605	771-9993/006-607	1
7 m	771-9993/006-703	771-9993/006-705	771-9993/006-707	1
8 m	771-9993/006-803	771-9993/006-805	771-9993/006-807	1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9993/106-103	771-9993/106-105	771-9993/106-107	1
2 m	771-9993/106-203	771-9993/106-205	771-9993/106-207	1
3 m	771-9993/106-303	771-9993/106-305	771-9993/106-307	1
4 m	771-9993/106-403	771-9993/106-405	771-9993/106-407	1
5 m	771-9993/106-503	771-9993/106-505	771-9993/106-507	1
6 m	771-9993/106-603	771-9993/106-605	771-9993/106-607	1
7 m	771-9993/106-703	771-9993/106-705	771-9993/106-707	1
8 m	771-9993/106-803	771-9993/106-805	771-9993/106-807	1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9993/206-103	771-9993/206-105	771-9993/206-107	1
2 m	771-9993/206-203	771-9993/206-205	771-9993/206-207	1
3 m	771-9993/206-303	771-9993/206-305	771-9993/206-307	1
4 m	771-9993/206-403	771-9993/206-405	771-9993/206-407	1
5 m	771-9993/206-503	771-9993/206-505	771-9993/206-507	1
6 m	771-9993/206-603	771-9993/206-605	771-9993/206-607	1
7 m	771-9993/206-703	771-9993/206-705	771-9993/206-707	1
8 m	771-9993/206-803	771-9993/206-805	771-9993/206-807	1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

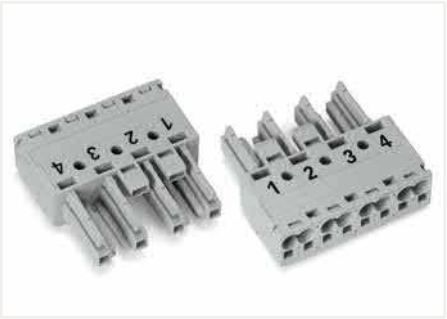
Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

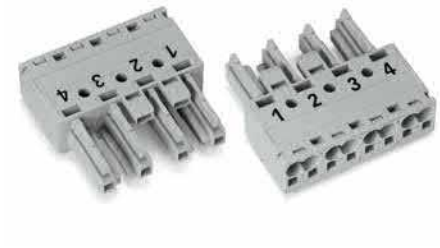
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

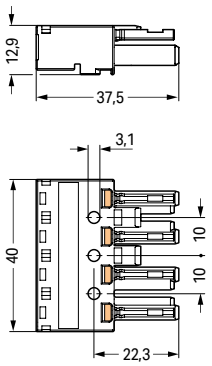
Marking	Page 511
Strain relief	Page 492
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

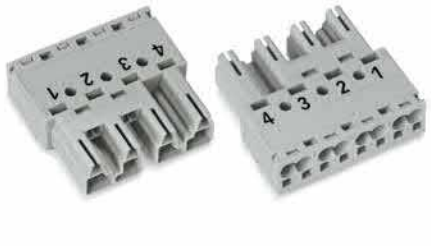
Female connector/socket



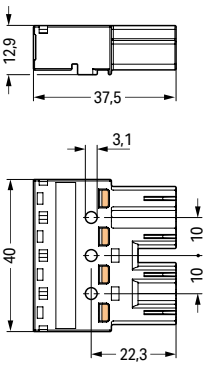
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-244	50
gray	B	N ⏚ 2|L 1|L'	770-244/060-000	50
gray	B	3 PE 2 1	770-244/062-000	50
gray	B	2L ⏚ 1L L	770-244/064-000	50
gray	B	1 2 5 3	770-244/081-000	50
light green	B	1 2 3 4	770-264	50
light green	B	U- S U+ X/Y	770-264/071-000	50
light green	B	U- U+ DI AI	770-264/072-000	50
light green	B	1 ⏚ 2 3	770-264/073-000	50
pink	B	1 2 3 4	770-284	50
pink	B	1 2 5 3	770-284/081-000	50



Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-254	50
gray	B	N ⏚ 2|L 1|L'	770-254/060-000	50
gray	B	3 PE 2 1	770-254/062-000	50
gray	B	2L ⏚ 1L L	770-254/064-000	50
gray	B	1 2 5 3	770-254/081-000	50
light green	B	1 2 3 4	770-274	50
light green	B	U- S U+ X/Y	770-274/071-000	50
light green	B	U- U+ DI AI	770-274/072-000	50
light green	B	1 ⏚ 2 3	770-274/073-000	50
pink	B	1 2 3 4	770-294	50
pink	B	1 2 5 3	770-294/081-000	50



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-504	25
white	770-514	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Snap-In Device Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

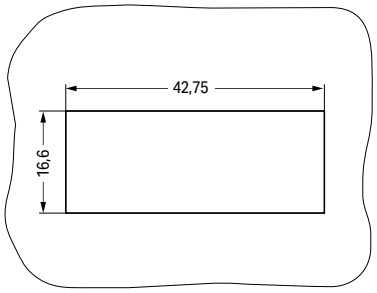


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

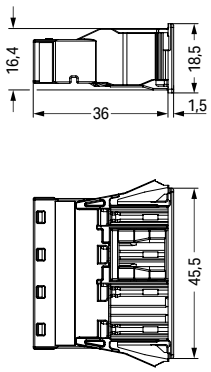
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding	Page 486
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

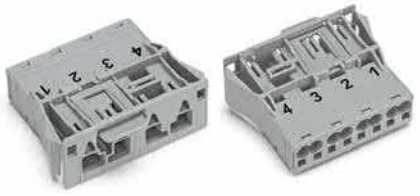
Snap-In Device Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

Female connector/socket

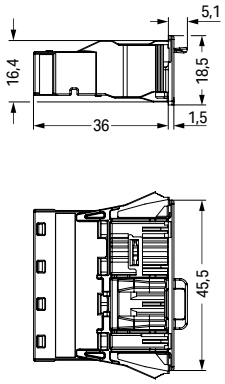
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-744	100
gray	B	N ⏚ 2|L 1|L'	770-744/060-000	100
gray	B	3 PE 2 1	770-744/062-000	100
gray	B	2L ⏚ 1L L	770-744/064-000	100
light green	B	1 2 3 4	770-764	100
light green	B	U- S U+ X/Y	770-764/071-000	100
light green	B	U- U+ DI AI	770-764/072-000	100
light green	B	1 ⏚ 2 3	770-764/073-000	100
pink	B	1 2 3 4	770-784	100
pink	B	1 2 5 3	770-784/081-000	100



Male connector/plug



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-754	100
gray	B	N ⏚ 2|L 1|L'	770-754/060-000	100
gray	B	3 PE 2 1	770-754/062-000	100
gray	B	2L ⏚ 1L L	770-754/064-000	100
light green	B	1 2 3 4	770-774	100
light green	B	U- S U+ X/Y	770-774/071-000	100
light green	B	U- U+ DI AI	770-774/072-000	100
light green	B	1 ⏚ 2 3	770-774/073-000	100
pink	B	1 2 3 4	770-794	100
pink	B	1 2 5 3	770-794/081-000	100



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; No. of poles: 4

Color	Item No.	PU
black	770-644	100
white	770-694	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.5^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding Page 486

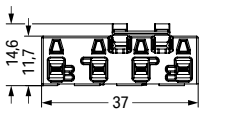
Additional information, see “Technical Section”

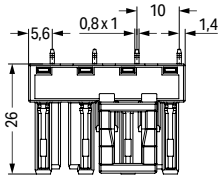
Approvals and corresponding ratings, visit www.wago.com

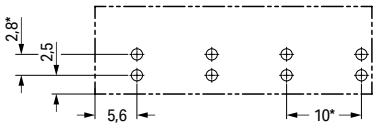
Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-844	50
gray	B	N ⏚ 2|L 1|L'	770-844/060-000	50
gray	B	3 PE 2 1	770-844/062-000	50
gray	B	2L ⏚ 1L L	770-844/064-000	50
light green	B	1 2 3 4	770-864	50
light green	B	U- S U+ X/Y	770-864/071-000	50
light green	B	U- U+ DI AI	770-864/072-000	50
light green	B	1 ⏚ 2 3	770-864/073-000	50
pink	B	1 2 3 4	770-884	50
pink	B	1 2 5 3	770-884/081-000	50



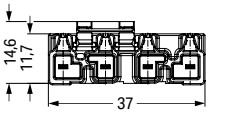


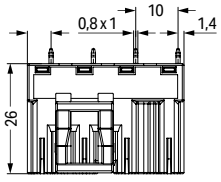


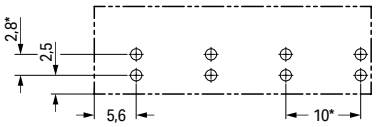
* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-854	50
gray	B	N ⏚ 2|L 1|L'	770-854/060-000	50
gray	B	3 PE 2 1	770-854/062-000	50
gray	B	2L ⏚ 1L L	770-854/064-000	50
light green	B	1 2 3 4	770-874	50
light green	B	U- S U+ X/Y	770-874/071-000	50
light green	B	U- U+ DI AI	770-874/072-000	50
light green	B	1 ⏚ 2 3	770-874/073-000	50
pink	B	1 2 3 4	770-894	50
pink	B	1 2 5 3	770-894/081-000	50







* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

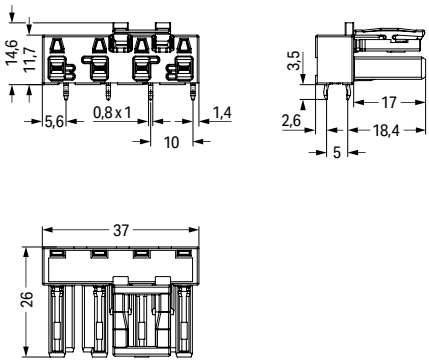
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

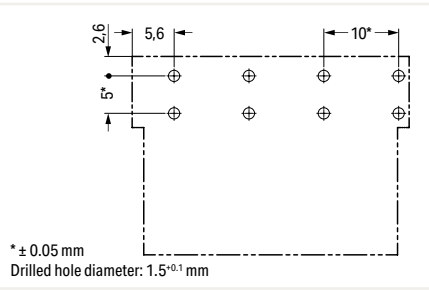
Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

4

Angled ▸ Female connector/socket

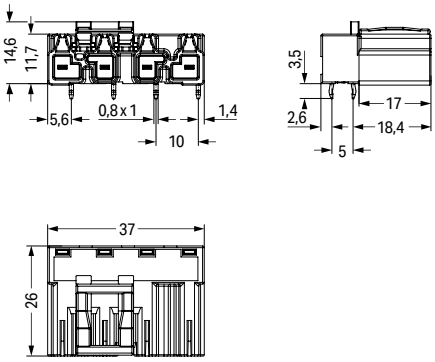
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-844/011-000	50
gray	B	N ⏚ 2|L 1|L'	770-844/011-000/060-000	50
gray	B	3 PE 2 1	770-844/011-000/062-000	50
gray	B	2L ⏚ 1L L	770-844/011-000/064-000	50
light green	B	1 2 3 4	770-864/011-000	50
light green	B	U- S U+ X/Y	770-864/011-000/071-000	50
light green	B	U- U+ DI AI	770-864/011-000/072-000	50
light green	B	1 ⏚ 2 3	770-864/011-000/073-000	50
pink	B	1 2 3 4	770-884/011-000	50
pink	B	1 2 5 3	770-884/011-000/081-000	50

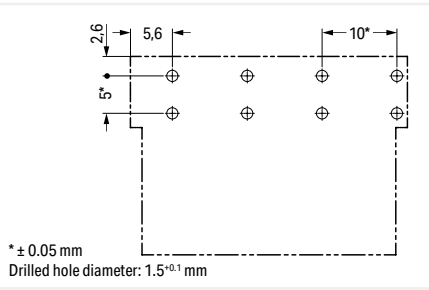




Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-854/011-000	50
gray	B	N ⏚ 2|L 1|L'	770-854/011-000/060-000	50
gray	B	3 PE 2 1	770-854/011-000/062-000	50
gray	B	2L ⏚ 1L L	770-854/011-000/064-000	50
light green	B	1 2 3 4	770-874/011-000	50
light green	B	U- S U+ X/Y	770-874/011-000/071-000	50
light green	B	U- U+ DI AI	770-874/011-000/072-000	50
light green	B	1 ⏚ 2 3	770-874/011-000/073-000	50
pink	B	1 2 3 4	770-894/011-000	50
pink	B	1 2 5 3	770-894/011-000/081-000	50





Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

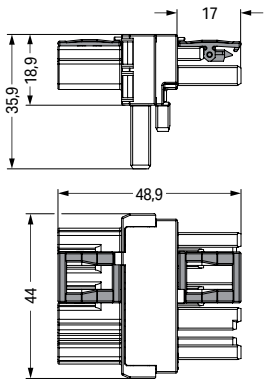
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

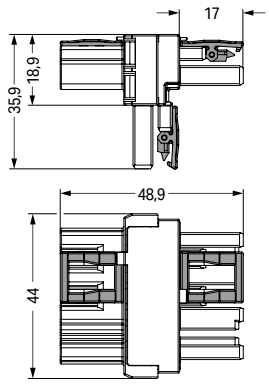
T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-1631	50
light green	B	1 2 3 4	770-1632	50
pink	B	1 2 3 4	770-1633	50



T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-1731	50
light green	B	1 2 3 4	770-1732	50
pink	B	1 2 3 4	770-1733	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

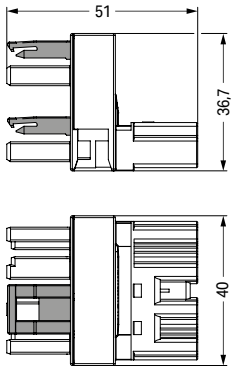
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

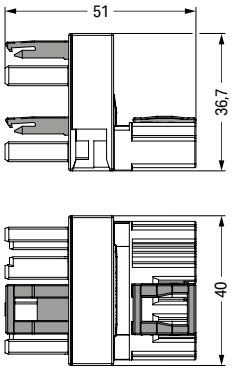
h-distribution connector, unidirectional ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-1681	50
light green	B	1 2 3 4	770-1682	50
pink	B	1 2 3 4	770-1683	50



h-distribution connector, unidirectional ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-1781	50
light green	B	1 2 3 4	770-1782	50
pink	B	1 2 3 4	770-1783	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 4

Color	Item No.	PU
black	770-624	25
white	770-674	25

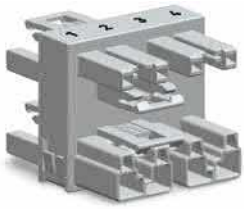
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

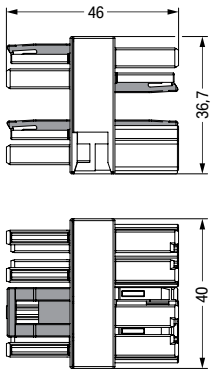
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 4

Distribution connector, 3-way



Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-1734	50
light green	B	1 2 3 4	770-1735	50
pink	B	1 2 3 4	770-1736	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 4

Color	Item No.	PU
black	770-624	25
white	770-674	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

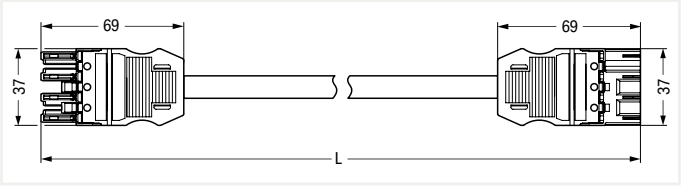
Marking Page 511

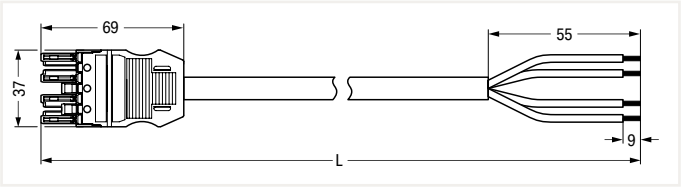
Additional information, see “Technical Section”

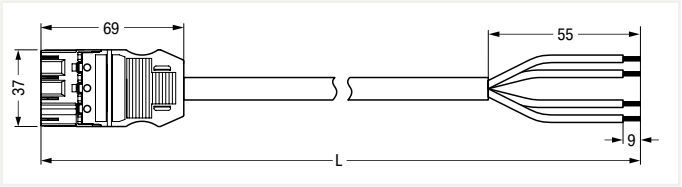
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 7.1 … 9 mm ▸ Control line 4 x 1







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9994/005-103	771-9994/005-105	771-9994/005-107	1
2 m	771-9994/005-203	771-9994/005-205	771-9994/005-207	1
3 m	771-9994/005-303	771-9994/005-305	771-9994/005-307	1
4 m	771-9994/005-403	771-9994/005-405	771-9994/005-407	1
5 m	771-9994/005-503	771-9994/005-505	771-9994/005-507	1
6 m	771-9994/005-603	771-9994/005-605	771-9994/005-607	1
7 m	771-9994/005-703	771-9994/005-705	771-9994/005-707	1
8 m	771-9994/005-803	771-9994/005-805	771-9994/005-807	1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9994/105-103	771-9994/105-105	771-9994/105-107	1
2 m	771-9994/105-203	771-9994/105-205	771-9994/105-207	1
3 m	771-9994/105-303	771-9994/105-305	771-9994/105-307	1
4 m	771-9994/105-403	771-9994/105-405	771-9994/105-407	1
5 m	771-9994/105-503	771-9994/105-505	771-9994/105-507	1
6 m	771-9994/105-603	771-9994/105-605	771-9994/105-607	1
7 m	771-9994/105-703	771-9994/105-705	771-9994/105-707	1
8 m	771-9994/105-803	771-9994/105-805	771-9994/105-807	1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9994/205-103	771-9994/205-105	771-9994/205-107	1
2 m	771-9994/205-203	771-9994/205-205	771-9994/205-207	1
3 m	771-9994/205-303	771-9994/205-305	771-9994/205-307	1
4 m	771-9994/205-403	771-9994/205-405	771-9994/205-407	1
5 m	771-9994/205-503	771-9994/205-505	771-9994/205-507	1
6 m	771-9994/205-603	771-9994/205-605	771-9994/205-607	1
7 m	771-9994/205-703	771-9994/205-705	771-9994/205-707	1
8 m	771-9994/205-803	771-9994/205-805	771-9994/205-807	1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

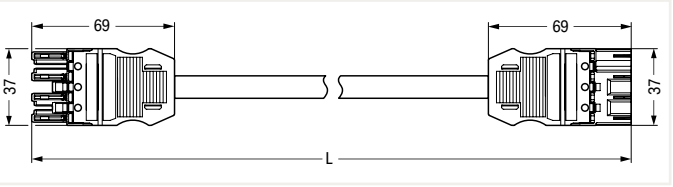
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

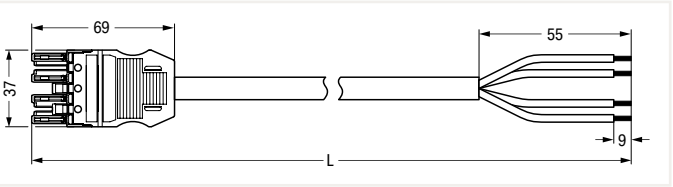
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

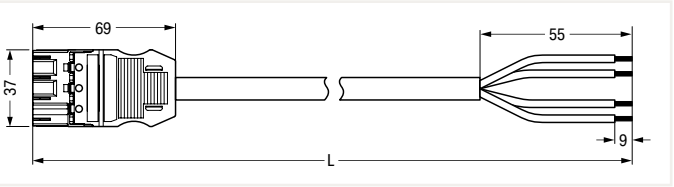
- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 8.4 … 10.5 mm ▸ Control line 4 x 1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9994/006-103	771-9994/006-105	771-9994/006-107	1
2 m	771-9994/006-203	771-9994/006-205	771-9994/006-207	1
3 m	771-9994/006-303	771-9994/006-305	771-9994/006-307	1
4 m	771-9994/006-403	771-9994/006-405	771-9994/006-407	1
5 m	771-9994/006-503	771-9994/006-505	771-9994/006-507	1
6 m	771-9994/006-603	771-9994/006-605	771-9994/006-607	1
7 m	771-9994/006-703	771-9994/006-705	771-9994/006-707	1
8 m	771-9994/006-803	771-9994/006-805	771-9994/006-807	1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9994/106-103	771-9994/106-105	771-9994/106-107	1
2 m	771-9994/106-203	771-9994/106-205	771-9994/106-207	1
3 m	771-9994/106-303	771-9994/106-305	771-9994/106-307	1
4 m	771-9994/106-403	771-9994/106-405	771-9994/106-407	1
5 m	771-9994/106-503	771-9994/106-505	771-9994/106-507	1
6 m	771-9994/106-603	771-9994/106-605	771-9994/106-607	1
7 m	771-9994/106-703	771-9994/106-705	771-9994/106-707	1
8 m	771-9994/106-803	771-9994/106-805	771-9994/106-807	1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9994/206-103	771-9994/206-105	771-9994/206-107	1
2 m	771-9994/206-203	771-9994/206-205	771-9994/206-207	1
3 m	771-9994/206-303	771-9994/206-305	771-9994/206-307	1
4 m	771-9994/206-403	771-9994/206-405	771-9994/206-407	1
5 m	771-9994/206-503	771-9994/206-505	771-9994/206-507	1
6 m	771-9994/206-603	771-9994/206-605	771-9994/206-607	1
7 m	771-9994/206-703	771-9994/206-705	771-9994/206-707	1
8 m	771-9994/206-803	771-9994/206-805	771-9994/206-807	1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4- and 5-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

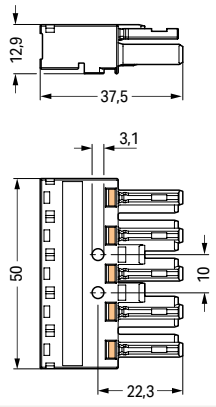
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding	Page 486
Marking	Page 511
Strain relief	Page 493
Tools	Page 506
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

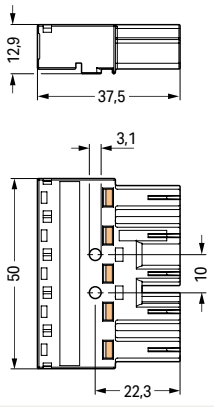
Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-245	50
gray	B	N ⏚ L1 L2 L3	770-245/060-000	50
gray	B	N PE 3 2 1	770-245/062-000	50
gray	B	N ⏚ L 2L 1L	770-245/064-000	50
light green	B	1 2 3 4 5	770-265	50
light green	B	1 ⏚ 2 3 4	770-265/073-000	50
pink	B	1 2 3 4 5	770-285	50
pink	B	N ⏚ L I- I+	770-285/080-000	50
pink	B	N ⏚ L - +	770-285/082-000	50



Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-255	50
gray	B	N ⏚ L1 L2 L3	770-255/060-000	50
gray	B	N PE 3 2 1	770-255/062-000	50
gray	B	N ⏚ L 2L 1L	770-255/064-000	50
light green	B	1 2 3 4 5	770-275	50
light green	B	1 ⏚ 2 3 4	770-275/073-000	50
pink	B	1 2 3 4 5	770-295	50
pink	B	N ⏚ L I- I+	770-295/080-000	50
pink	B	N ⏚ L - +	770-295/082-000	50



Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length: 55 mm

Color	Item No.	PU
black	770-505	25
white	770-515	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

4

Snap-In Device Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

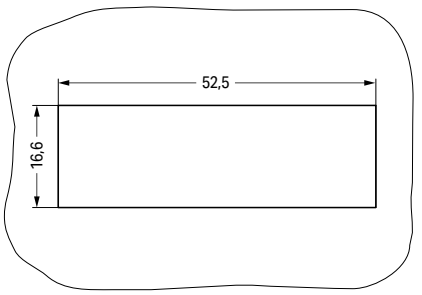


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4- and 5-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Tools Page 506

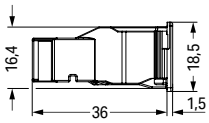
Additional information, see “Technical Section”

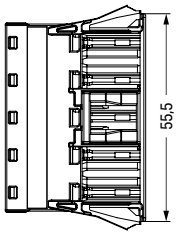
Approvals and corresponding ratings, visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

Female connector/socket

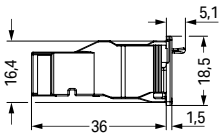
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-745	50
gray	B	N ⏚ L1 L2 L3	770-745/060-000	50
gray	B	N PE 3 2 1	770-745/062-000	50
gray	B	N ⏚ L 2L 1L	770-745/064-000	50
light green	B	1 2 3 4 5	770-765	50
light green	B	1 ⏚ 2 3 4	770-765/073-000	50
pink	B	1 2 3 4 5	770-785	50
pink	B	N ⏚ L I- I+	770-785/080-000	50
pink	B	N ⏚ L - +	770-785/082-000	50

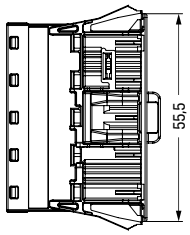




Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-755	50
gray	B	N ⏚ L1 L2 L3	770-755/060-000	50
gray	B	N PE 3 2 1	770-755/062-000	50
gray	B	N ⏚ L 2L 1L	770-755/064-000	50
light green	B	1 2 3 4 5	770-775	50
light green	B	1 ⏚ 2 3 4	770-775/073-000	50
pink	B	1 2 3 4 5	770-795	50
pink	B	N ⏚ L I- I+	770-795/080-000	50
pink	B	N ⏚ L - +	770-795/082-000	50





Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; No. of poles: 5

Color	Item No.	PU
black	770-645	100
white	770-695	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4- and 5-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Solder pin arrangement	2 in-line solder pins/pole
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	$1.5^{(+0.1)}$ mm
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Coding Page 486

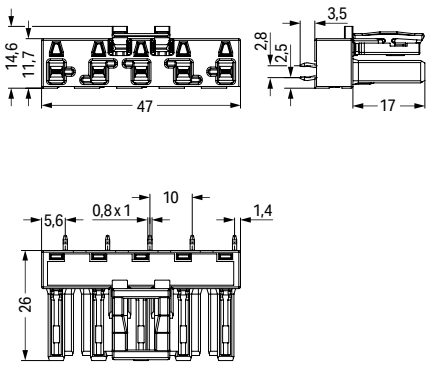
Additional information, see “Technical Section”

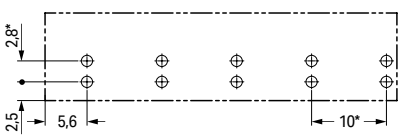
Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

Straight ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-845	50
gray	B	N ⏚ L1 L2 L3	770-845/060-000	50
gray	B	N PE 3 2 1	770-845/062-000	50
gray	B	N ⏚ L 2L 1L	770-845/064-000	50
light green	B	1 2 3 4 5	770-865	50
light green	B	1 ⏚ 2 3 4	770-865/073-000	50
pink	B	1 2 3 4 5	770-885	50
pink	B	N ⏚ L I- I+	770-885/080-000	50
pink	B	N ⏚ L - +	770-885/082-000	50

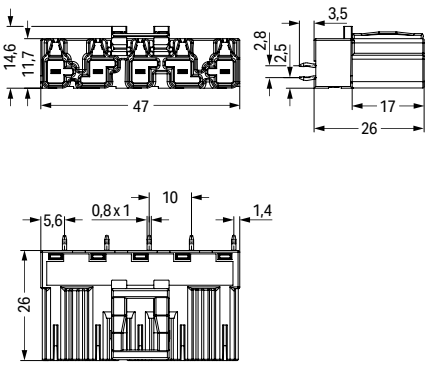


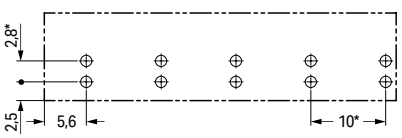


* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Straight ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-855	50
gray	B	N ⏚ L1 L2 L3	770-855/060-000	50
gray	B	N PE 3 2 1	770-855/062-000	50
gray	B	N ⏚ L 2L 1L	770-855/064-000	50
light green	B	1 2 3 4 5	770-875	50
light green	B	1 ⏚ 2 3 4	770-875/073-000	50
pink	B	1 2 3 4 5	770-895	50
pink	B	N ⏚ L I- I+	770-895/080-000	50
pink	B	N ⏚ L - +	770-895/082-000	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

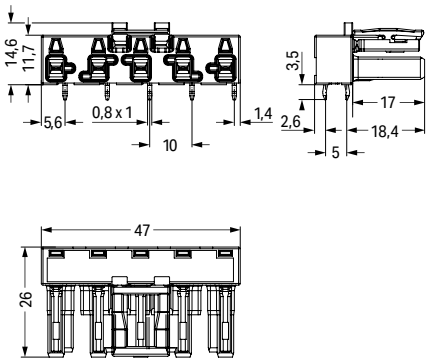
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

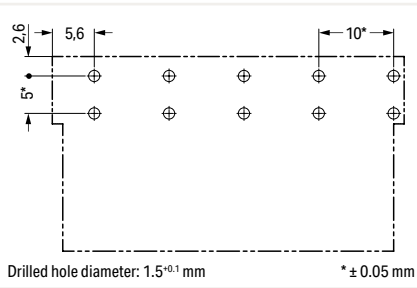
Pluggable PCB Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

4

Angled ▸ Female connector/socket

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-845/011-000	50
gray	B	N ⏚ L1 L2 L3	770-845/011-000/060-000	50
gray	B	N PE 3 2 1	770-845/011-000/062-000	50
gray	B	N ⏚ L 2L 1L	770-845/011-000/064-000	50
light green	B	1 2 3 4 5	770-865/011-000	50
pink	B	1 2 3 4 5	770-885/011-000	50
pink	B	N ⏚ L I- I+	770-885/011-000/080-000	50
pink	B	N ⏚ L - +	770-885/011-000/082-000	50





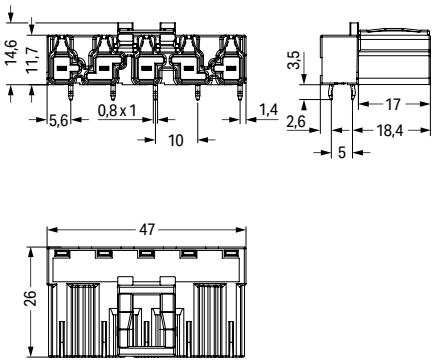
Item-Specific Accessories

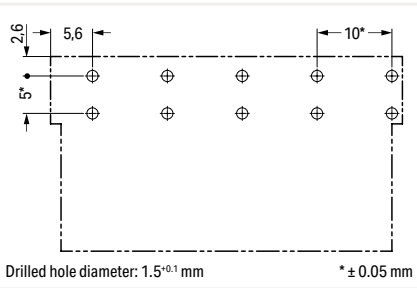
Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Angled ▸ Male connector/plug

Color	Coding	Marking	Item No.	PU
gray	B	N ⏚ L1 L2 L3	770-855/011-000/060-000	50
gray	B	N PE 3 2 1	770-855/011-000/062-000	50
gray	B	N ⏚ L 2L 1L	770-855/011-000/064-000	50
light green	B	1 2 3 4 5	770-875/011-000	50
light green	B	1 ⏚ 2 3 4	770-875/011-000/073-000	50
pink	B	1 2 3 4 5	770-895/011-000	50
pink	B	N ⏚ L I- I+	770-895/011-000/080-000	50
pink	B	N ⏚ L - +	770-895/011-000/082-000	50





Item-Specific Accessories

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	
Note on rated current	25 A for 3-pole load 20 A for 4- and 5-pole load			
Approvals per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	When unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

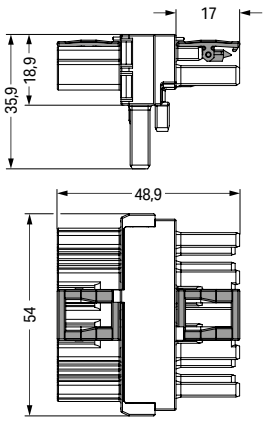
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

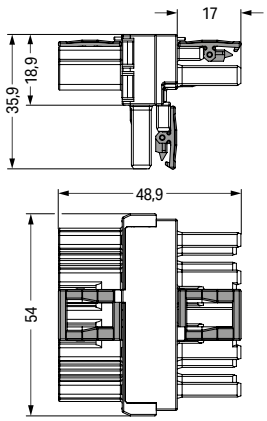
T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-1641	50
light green	B	1 2 3 4 5	770-1642	50
pink	B	1 2 3 4 5	770-1643	50



T-distribution connector ▸ Number of locking levers: 3

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-1741	50
light green	B	1 2 3 4 5	770-1742	50
pink	B	1 2 3 4 5	770-1743	50



4

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting adapter; for T-distribution connector; for 2- to 5-pole

Item No.	PU
770-354	50

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

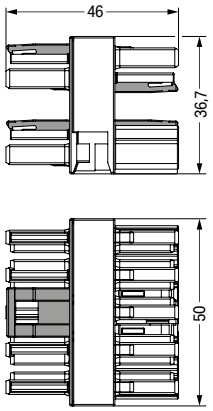
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:
- Other pole markings

Distribution Connector ▸ *WINSTA*® MIDI special ▸ 770 Series
No. of poles: 5

Distribution connector, 3-way

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-1744	25
light green	B	1 2 3 4 5	770-1745	25
pink	B	1 2 3 4 5	770-1746	25



Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plug; separable; No. of poles: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connector; No. of poles: 5

Color	Item No.	PU
black	770-625	25
white	770-675	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 5 ▸ PVC

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

4

Electrical Data						
Cross section of single conductor	**1 mm²**			**1.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	400 V	-	-	400 V	-	-
Rated impulse voltage	6 kV	-	-	6 kV	-	-
Rated current	10 A	-	-	16 A	-	-
Approvals per	UL 1977			UL 1977		
Rated voltage	600 V			600 V		
Rated current	23 A			23 A		

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

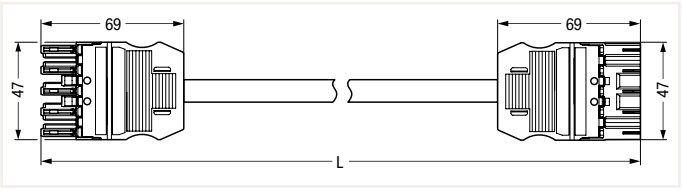
Marking Page 511

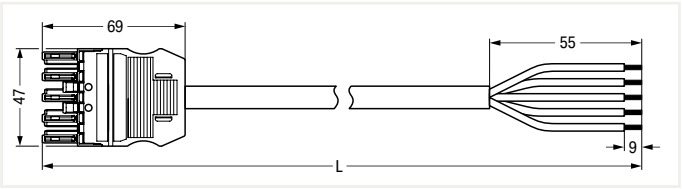
Additional information, see “Technical Section”

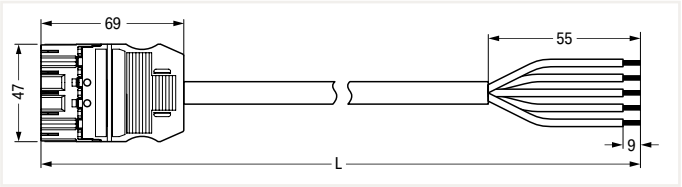
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ 1 mm² ▸ Cable diameter: 7.8 … 9.3 mm ▸ Control line 5 x 1







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9995/005-103	771-9995/005-105	771-9995/005-107	1
2 m	771-9995/005-203	771-9995/005-205	771-9995/005-207	1
3 m	771-9995/005-303	771-9995/005-305	771-9995/005-307	1
4 m	771-9995/005-403	771-9995/005-405	771-9995/005-407	1
5 m	771-9995/005-503	771-9995/005-505	771-9995/005-507	1
6 m	771-9995/005-603	771-9995/005-605	771-9995/005-607	1
7 m	771-9995/005-703	771-9995/005-705	771-9995/005-707	1
8 m	771-9995/005-803	771-9995/005-805	771-9995/005-807	1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9995/105-103	771-9995/105-105	771-9995/105-107	1
2 m	771-9995/105-203	771-9995/105-205	771-9995/105-207	1
3 m	771-9995/105-303	771-9995/105-305	771-9995/105-307	1
4 m	771-9995/105-403	771-9995/105-405	771-9995/105-407	1
5 m	771-9995/105-503	771-9995/105-505	771-9995/105-507	1
6 m	771-9995/105-603	771-9995/105-605	771-9995/105-607	1
7 m	771-9995/105-703	771-9995/105-705	771-9995/105-707	1
8 m	771-9995/105-803	771-9995/105-805	771-9995/105-807	1

Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9995/205-103	771-9995/205-105	771-9995/205-107	1
2 m	771-9995/205-203	771-9995/205-205	771-9995/205-207	1
3 m	771-9995/205-303	771-9995/205-305	771-9995/205-307	1
4 m	771-9995/205-403	771-9995/205-405	771-9995/205-407	1
5 m	771-9995/205-503	771-9995/205-505	771-9995/205-507	1
6 m	771-9995/205-603	771-9995/205-605	771-9995/205-607	1
7 m	771-9995/205-703	771-9995/205-705	771-9995/205-707	1
8 m	771-9995/205-803	771-9995/205-805	771-9995/205-807	1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated		
Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever, for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

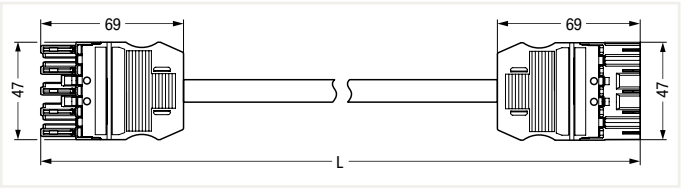
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

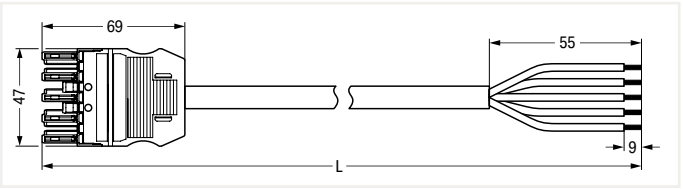
Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

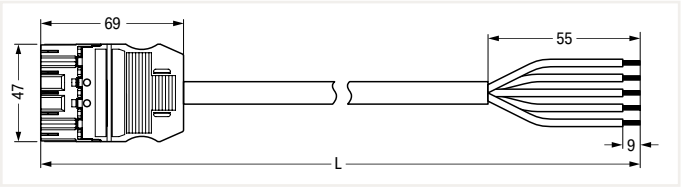
- Other pole markings

Cable Assembly ▸ *WINSTA*® MIDI special ▸ 771 Series

No. of poles: 5 ▸ Protection class: IP20 ▸ Coding: B ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ 1.5 mm² ▸ Cable diameter: 9.3 … 11.6 mm ▸ Control line 5 x 1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9995/006-103	771-9995/006-105	771-9995/006-107	1
2 m	771-9995/006-203	771-9995/006-205	771-9995/006-207	1
3 m	771-9995/006-303	771-9995/006-305	771-9995/006-307	1
4 m	771-9995/006-403	771-9995/006-405	771-9995/006-407	1
5 m	771-9995/006-503	771-9995/006-505	771-9995/006-507	1
6 m	771-9995/006-603	771-9995/006-605	771-9995/006-607	1
7 m	771-9995/006-703	771-9995/006-705	771-9995/006-707	1
8 m	771-9995/006-803	771-9995/006-805	771-9995/006-807	1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9995/106-103	771-9995/106-105	771-9995/106-107	1
2 m	771-9995/106-203	771-9995/106-205	771-9995/106-207	1
3 m	771-9995/106-303	771-9995/106-305	771-9995/106-307	1
4 m	771-9995/106-403	771-9995/106-405	771-9995/106-407	1
5 m	771-9995/106-503	771-9995/106-505	771-9995/106-507	1
6 m	771-9995/106-603	771-9995/106-605	771-9995/106-607	1
7 m	771-9995/106-703	771-9995/106-705	771-9995/106-707	1
8 m	771-9995/106-803	771-9995/106-805	771-9995/106-807	1

Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	gray/black	light green/black	pink/black	
1 m	771-9995/206-103	771-9995/206-105	771-9995/206-107	1
2 m	771-9995/206-203	771-9995/206-205	771-9995/206-207	1
3 m	771-9995/206-303	771-9995/206-305	771-9995/206-307	1
4 m	771-9995/206-403	771-9995/206-405	771-9995/206-407	1
5 m	771-9995/206-503	771-9995/206-505	771-9995/206-507	1
6 m	771-9995/206-603	771-9995/206-605	771-9995/206-607	1
7 m	771-9995/206-703	771-9995/206-705	771-9995/206-707	1
8 m	771-9995/206-803	771-9995/206-805	771-9995/206-807	1

Accessories; for all products on this page

Locking lever, for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

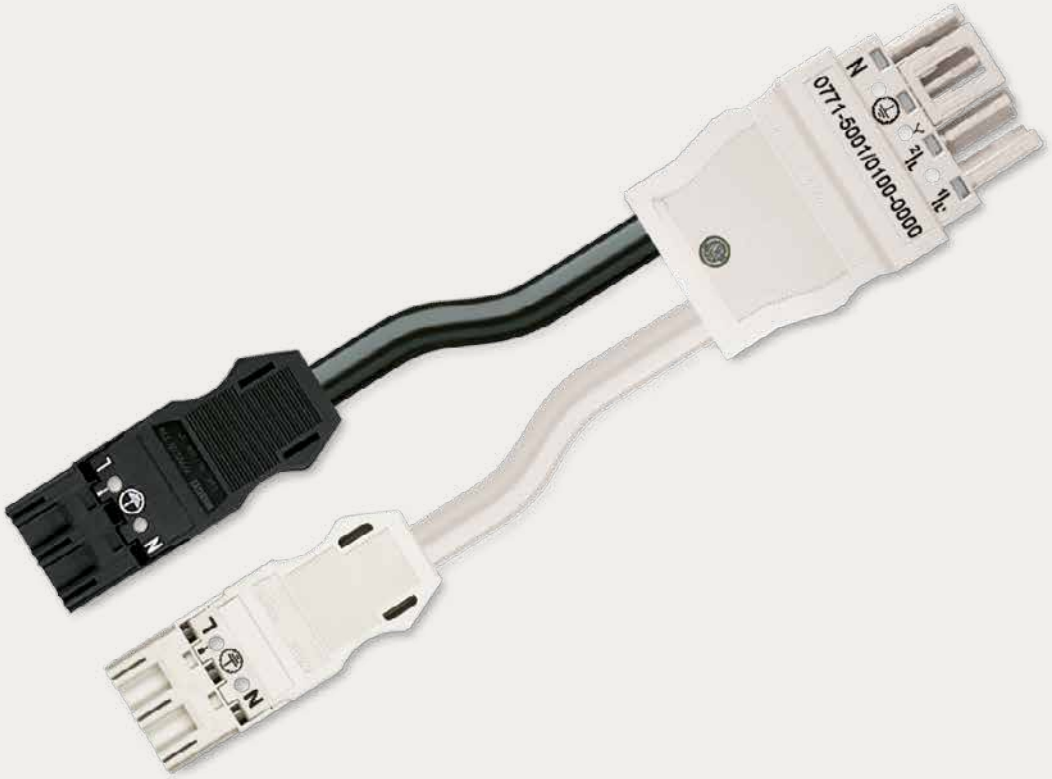
Locking lever, for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole markings



WAGO Pluggable Connection System *WINSTA*® – Specialty Cable Assemblies

PUSH-IN CAGE CLAMP®

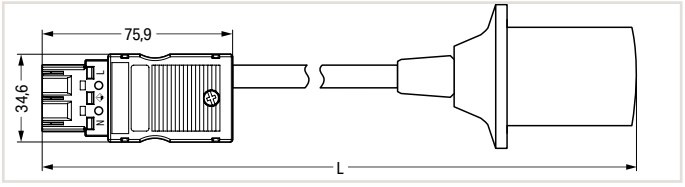
WAGO Pluggable Connection System *WINSTA*®
Specialty Cable Assemblies ▸ 771 Series
2.5 mm² / 20 A

		Page
	771 Series Plug – Lamp Socket Plug – Cold Equipment Socket Socket – SCHUKO® Plug Plug – SCHUKO® Socket	 374 374 375 375
	771 Series Connecting Cable for Distribution Connectors Y-Cable	 376 377
	771 Series Adapter Cable for DALI	 378
	771 Series Y-Cable for DALI	 379

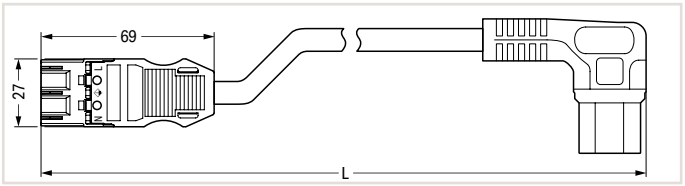
5

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ A-coding ▸ PVC ▸ Reaction to fire class per EN 50575: E_{ca}



Adapter cable ▸ plug – E 27 lamp socket ▸ 0.75 mm²				
Length	Connector color/Strain relief color			PU
	black/black			
0.5 m	771-8993/1004-051			1



Interconnecting cable ▸ plug – cold equipment socket ▸ angled ▸ 1 mm²				
Length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/805-101	771-9993/805-102		1
2 m	771-9993/805-201	771-9993/805-202		1
3 m	771-9993/805-301	771-9993/805-302		1

5

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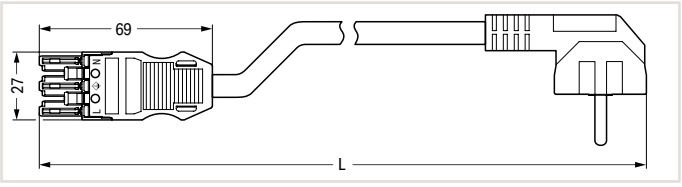
Marking Page 511
Additional information, see “Technical Section”
Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

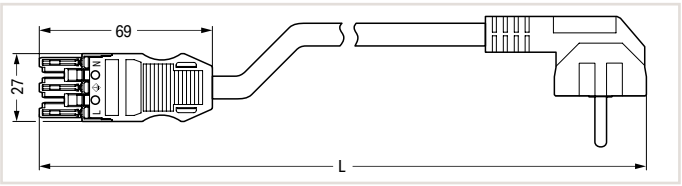
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ A-coding ▸ PVC ▸ Reaction to fire class per EN 50575: E_{ca}



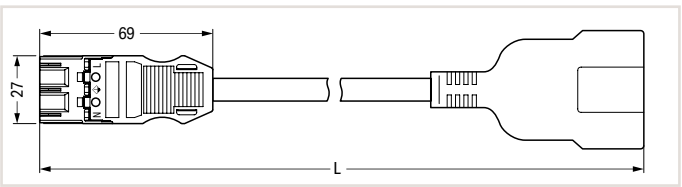
Interconnecting cable ▸ socket – SCHUKO® plug ▸ angled ▸ 1.5 mm²

Length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/306-101	771-9993/306-102		1
2 m	771-9993/306-201	771-9993/306-202		1
3 m	771-9993/306-301	771-9993/306-302		1



Interconnecting cable ▸ socket – SCHUKO® plug ▸ angled ▸ 2.5 mm²

Length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/307-101	771-9993/307-102		1
2 m	771-9993/307-201	771-9993/307-202		1
3 m	771-9993/307-301	771-9993/307-302		1



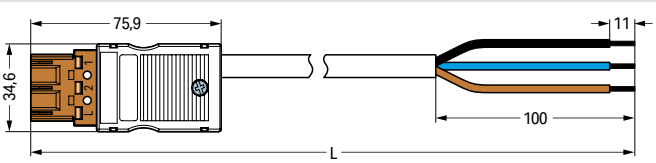
Interconnecting cable ▸ plug – SCHUKO® socket ▸ 1.5 mm²

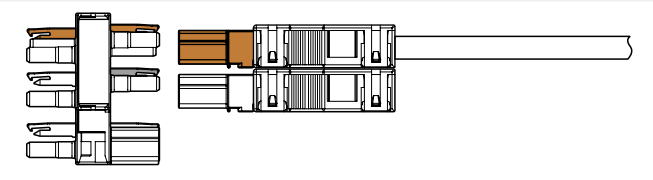
Length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	771-9993/406-101	771-9993/406-102		1
2 m	771-9993/406-201	771-9993/406-202		1
3 m	771-9993/406-301	771-9993/406-302		1

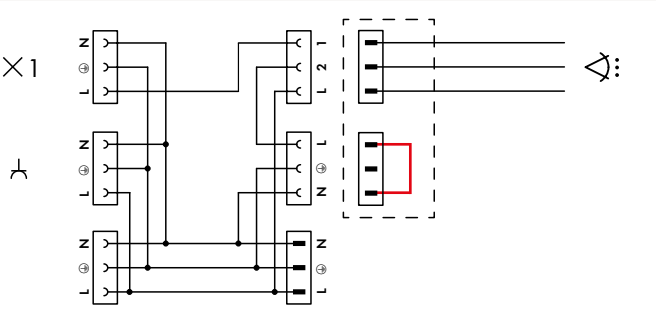
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ 1.5 mm² ▸ A+S-coding ▸ Reaction to fire class per EN 50575: E_{ca}







This cable combines a standard S-coded cable with an A-coded shorting plug. Both strain relief housings are locked together.
A motion detector or switch with signal lamp can be directly connected using a cable equipped with 770-637 Distribution Connector.

Connecting cable ▸ plug/plug – free end ▸ PVC				
Length	Connector color/Strain relief color			PU
	black/black			
3 m	**771-5001/106-000**			1
4 m	**771-5001/107-000**			1

Connecting cable ▸ plug/plug – free end ▸ halogen-free				
Length	Connector color/Strain relief color			PU
	black/black			
3 m	**771-5001/131-000**			1
4 m	**771-5001/132-000**			1

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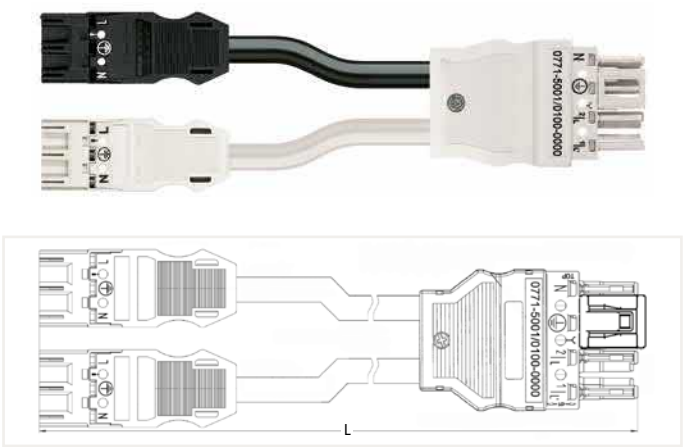
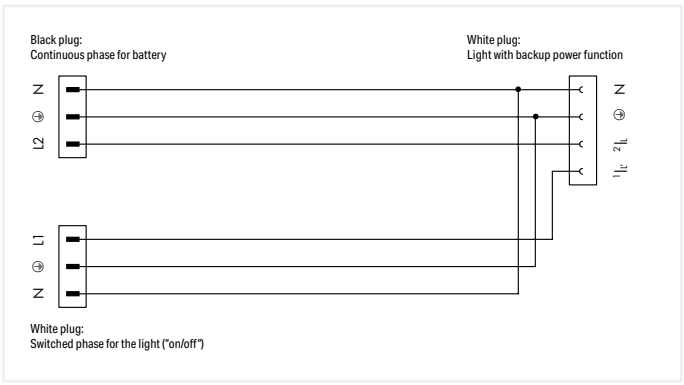
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 + 4 ▸ 1.5 mm² ▸ A-coding ▸ Reaction to fire class per EN 50575: E_{ca}





This cable connects lights with backup power function (battery pack). The black 3-pole plug connects the continuous phase for the battery, while the white 3-pole plug connects the switched phase for the light ("on/off").
The white 4-pole socket can be directly plugged into the light.

Y-cable ▸ PVC				
Length	Connector color/Strain relief color			PU
	black/black			
0.6 m	**771-5001/100-000**			1

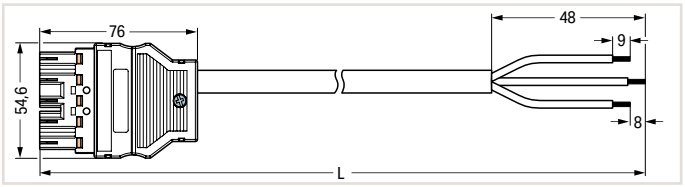
Y-cable ▸ halogen-free				
Length	Connector color/Strain relief color			PU
	black/black			
0.6 m	**771-5001/110-000**			1

5

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

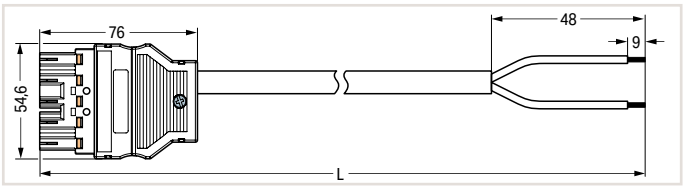
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ I-coding ▸ Reaction to fire class per EN 50575: E_{ca}



Adapter cable ▸ plug – free end ▸ 1.5 mm² ▸ H05VV-F 3G1.5 ▸ PVC				
Length	Connector color/Strain relief color			PU
	blue/black			
1 m	771-5001/148-000			1
2 m	771-5001/149-000			1
3 m	771-5001/150-000			1
4 m	771-5001/151-000			1
5 m	771-5001/152-000			1
6 m	771-5001/153-000			1
7 m	771-5001/154-000			1
8 m	771-5001/155-000			1

Adapter cable ▸ plug – free end ▸ 1.5 mm² ▸ H05Z1Z1-F 3G1.5 ▸ halogen-free				
Length	Connector color/Strain relief color			PU
	blue/black			
1 m	771-5001/156-000			1
2 m	771-5001/157-000			1
3 m	771-5001/158-000			1
4 m	771-5001/159-000			1
5 m	771-5001/160-000			1
6 m	771-5001/161-000			1
7 m	771-5001/162-000			1
8 m	771-5001/163-000			1



Adapter cable ▸ plug – free end ▸ 1.5 mm² ▸ H05VV-F 2x1.5 ▸ PVC				
Length	Connector color/Strain relief color			PU
	blue/black			
1 m	771-5001/164-000			1
2 m	771-5001/165-000			1
3 m	771-5001/166-000			1
4 m	771-5001/167-000			1
5 m	771-5001/168-000			1
6 m	771-5001/169-000			1
7 m	771-5001/170-000			1
8 m	771-5001/171-000			1

Adapter cable ▸ plug – free end ▸ 1.5 mm² ▸ H05Z1Z1-F 2x1.5 ▸ halogen-free				
Length	Connector color/Strain relief color			PU
	blue/black			
1 m	771-5001/172-000			1
2 m	771-5001/173-000			1
3 m	771-5001/174-000			1
4 m	771-5001/175-000			1
5 m	771-5001/176-000			1
6 m	771-5001/177-000			1
7 m	771-5001/178-000			1
8 m	771-5001/179-000			1

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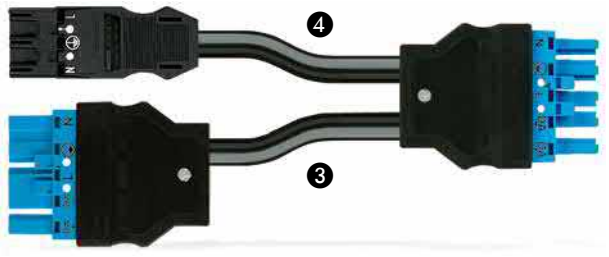
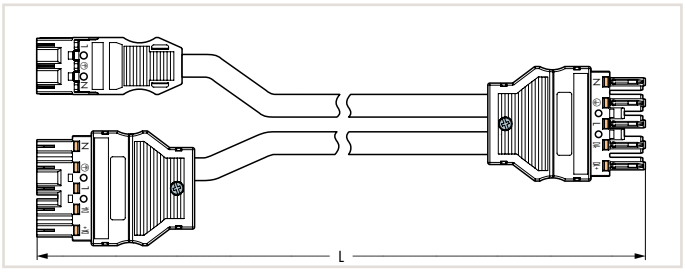
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

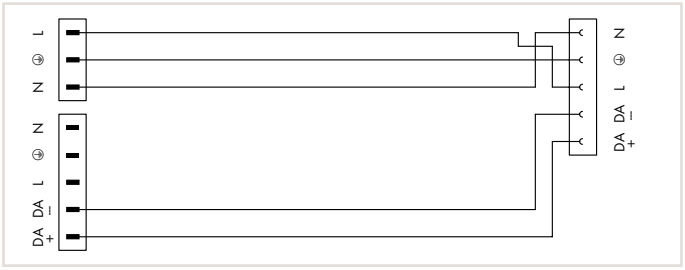
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

1.5 mm² ❸; 2.5 mm² ❹ ▸ A+I-Coding ▸ Reaction to fire class per EN 50575: E_{ca}





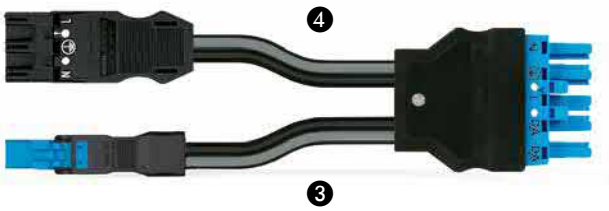


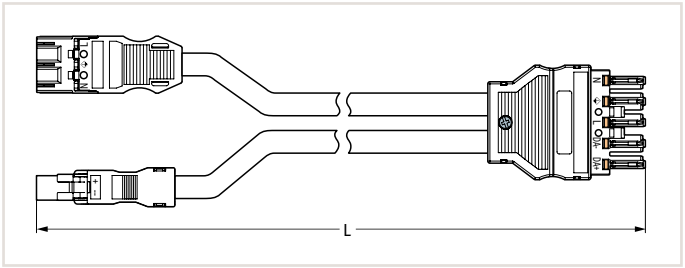
Y-cable ▸ No. of poles: 3 + 5 ▸ DALI mains center supply ▸ PVC ▸ H05VV-F 2x1.5; H05VV-F 3G2.5

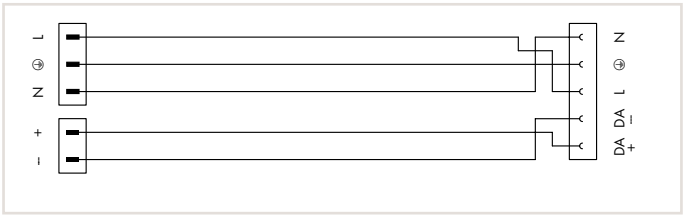
Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/180-000			1

Y-cable ▸ No. of poles: 3 + 5 ▸ DALI mains center supply ▸ halogen-free ▸ H05Z1Z1-F 2x1.5; H05Z1Z1-F 3G2.5

Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/181-000			1







Y-cable ▸ No. of poles: 2 + 5 ▸ mains supply + DALI ▸ PVC ▸ H05VV-F 2x1.5; H05VV-F 3G2.5

Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/182-000			1

Y-cable ▸ No. of poles: 2 + 5 ▸ mains supply + DALI ▸ halogen-free ▸ H05Z1Z1-F 2x1.5; H05Z1Z1-F 3G2.5

Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/183-000			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WAGO Pluggable Connection System *WINSTA*® MAXI

PUSH-IN CAGE CLAMP®

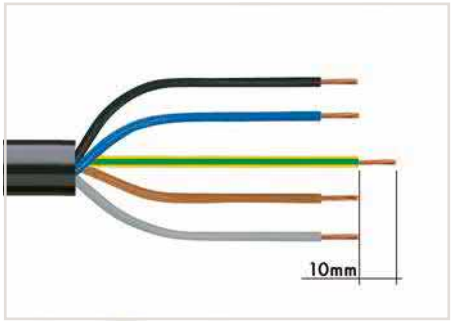
WAGO Pluggable Connection System *WINSTA*® MAXI ▶ 831 Series
6 mm² / 35 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

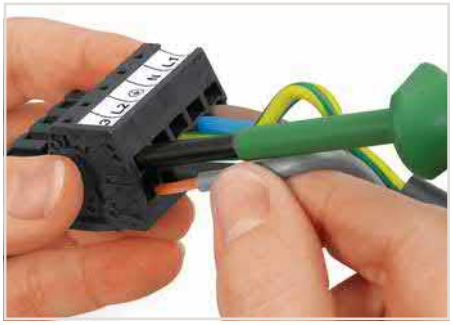
- *WINSTA*® MAXI Connectors are not intended for installation in open or easily accessible areas.

	Page
Pluggable Connectors; 831 Series 5-pole	384

WINSTA® MINI ▸ 890, 891 Series
Description and Installation



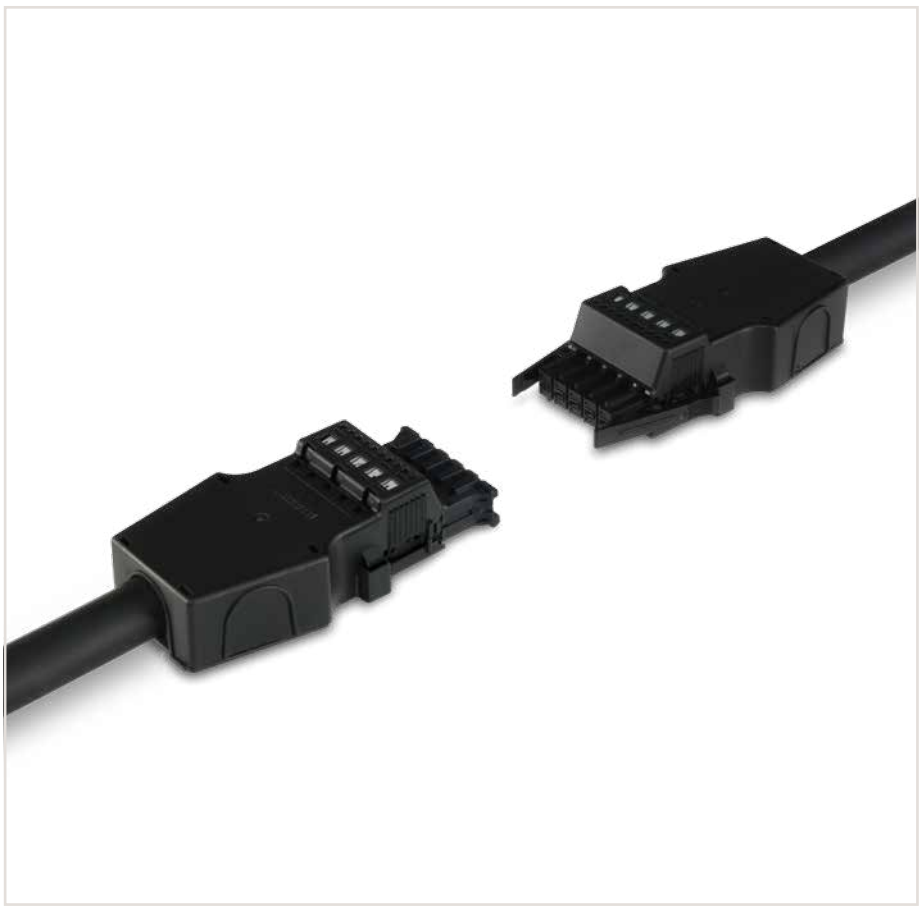
The following lengths are recommended:
1. Strip length, outer insulation = 80 mm
2. Strip length = 13 mm
3. Extended ground conductor = 10 mm



To terminate fine-stranded conductors, open the clamping unit via screwdriver (5.5 mm blade width) and insert a stripped conductor until it hits backstop.

The printed marking of the connector is clearly visible in the openings of the strain relief housing.

Unscrew base of strain relief housing.



Snap wired connector onto the base.

Tighten strain relief using a screwdriver.

Wired connector fitted in base of strain relief housing.

Latch the top of the strain relief housing.

Pluggable Connector ▸ *WINSTA*® MAXI ▸ 831 Series
No. of poles: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Minimize voltage drop over longer cable runs

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	35 A	-	-	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 mm / 0.51 Inch
Nominal cross section	6 mm²
Solid conductor	0.5 … 6 mm² / 20 … 8 AWG
Stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 8 AWG

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 30–70N (depending on number of poles)
Unmating force of a plug-in connection	when unlocked: approx. 30–70N (depending on number of poles)
Retention force of a plug-in connection	When locked: > 80 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

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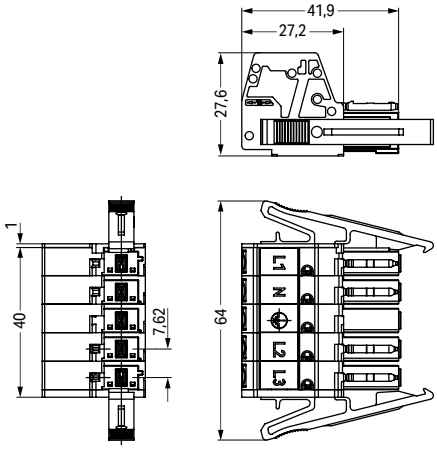
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MAXI ▸ 831 Series
No. of poles: 5

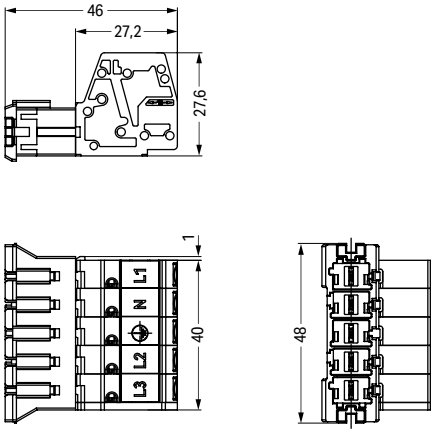
Female connector/socket

Color	Coding	Marking	Item No.	PU
black	A	L1 N ⏚ L2 L3	831-3105/1019-004	5
white	A	L1 N ⏚ L2 L3	831-3105/1019-050	5



Male connector/plug

Color	Coding	Marking	Item No.	PU
black	A	L1 N ⏚ L2 L3	831-3205/1020-004	5
white	A	L1 N ⏚ L2 L3	831-3205/1020-050	5



6

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WAGO Pluggable Connection System
WINSTA® RD

WAGO Pluggable Connection System *WINSTA*® RD ▶ 774 Series
2.5 mm² / 20 A

Note:
- IInstallation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® RD Connectors are not intended for installation in open or easily accessible areas.

Page

Cable Assemblies; 774 Series
3 x 1.5 mm² 388
3 x 2.5 mm² 393
4 x 1.5 mm² 398

Plug Adapters for Attema's Hollow-Wall Boxes; 774 Series
3-pole 396

7

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series
No. of poles: 3 ▸ Protection class: IP20

- For round conduits and ducts
- 3- and 4-pole preassembled cables with 17.5 mm outer diameter for easy plug & play
- Plug-in integration into the electrical installation of hollow-wall boxes via adapter, for example

Electrical Data						
Cross section of single conductor	**1.5 mm²**			**2.5 mm²**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated • Plugging when laterally staggered

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Cables with different fire load are available in the eShop

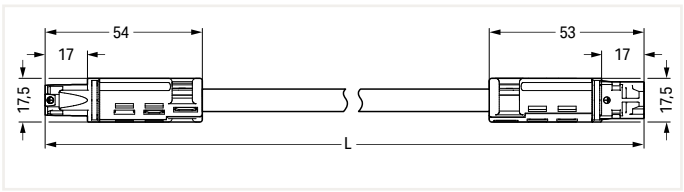
Coding Page 486

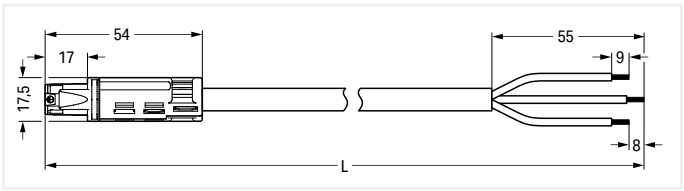
Additional information, see “Technical Section”

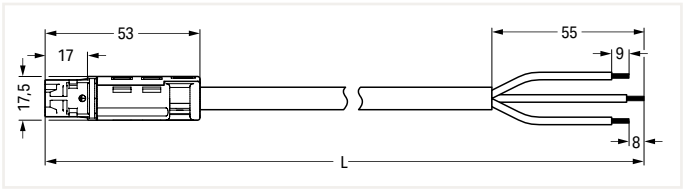
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ PVC ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/006-101	774-9993/006-102		1
2 m	774-9993/006-201	774-9993/006-202		1
3 m	774-9993/006-301	774-9993/006-302		1
4 m	774-9993/006-401	774-9993/006-402		1
5 m	774-9993/006-501	774-9993/006-502		1
6 m	774-9993/006-601	774-9993/006-602		1
7 m	774-9993/006-701	774-9993/006-702		1
8 m	774-9993/006-801	774-9993/006-802		1

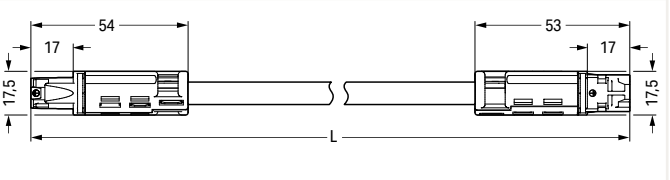
Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/106-101	774-9993/106-102		1
2 m	774-9993/106-201	774-9993/106-202		1
3 m	774-9993/106-301	774-9993/106-302		1
4 m	774-9993/106-401	774-9993/106-402		1
5 m	774-9993/106-501	774-9993/106-502		1
6 m	774-9993/106-601	774-9993/106-602		1
7 m	774-9993/106-701	774-9993/106-702		1
8 m	774-9993/106-801	774-9993/106-802		1

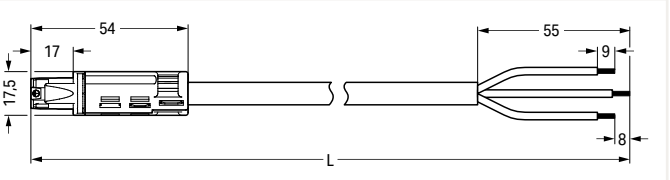
Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/206-101	774-9993/206-102		1
2 m	774-9993/206-201	774-9993/206-202		1
3 m	774-9993/206-301	774-9993/206-302		1
4 m	774-9993/206-401	774-9993/206-402		1
5 m	774-9993/206-501	774-9993/206-502		1
6 m	774-9993/206-601	774-9993/206-602		1
7 m	774-9993/206-701	774-9993/206-702		1
8 m	774-9993/206-801	774-9993/206-802		1

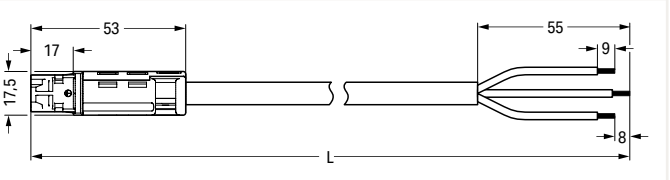
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5







Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/016-101	774-9993/016-102		1
2 m	774-9993/016-201	774-9993/016-202		1
3 m	774-9993/016-301	774-9993/016-302		1
4 m	774-9993/016-401	774-9993/016-402		1
5 m	774-9993/016-501	774-9993/016-502		1
6 m	774-9993/016-601	774-9993/016-602		1
7 m	774-9993/016-701	774-9993/016-702		1
8 m	774-9993/016-801	774-9993/016-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/116-101	774-9993/116-102		1
2 m	774-9993/116-201	774-9993/116-202		1
3 m	774-9993/116-301	774-9993/116-302		1
4 m	774-9993/116-401	774-9993/116-402		1
5 m	774-9993/116-501	774-9993/116-502		1
6 m	774-9993/116-601	774-9993/116-602		1
7 m	774-9993/116-701	774-9993/116-702		1
8 m	774-9993/116-801	774-9993/116-802		1

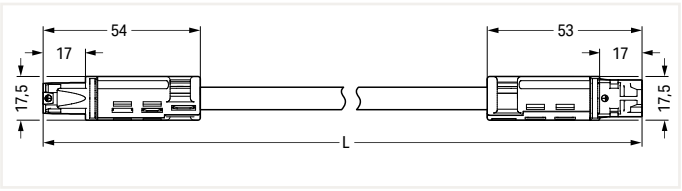
Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/216-101	774-9993/216-102		1
2 m	774-9993/216-201	774-9993/216-202		1
3 m	774-9993/216-301	774-9993/216-302		1
4 m	774-9993/216-401	774-9993/216-402		1
5 m	774-9993/216-501	774-9993/216-502		1
6 m	774-9993/216-601	774-9993/216-602		1
7 m	774-9993/216-701	774-9993/216-702		1
8 m	774-9993/216-801	774-9993/216-802		1

7

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

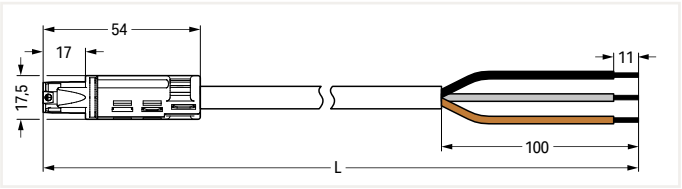
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: S ▸ Marking: 1 2 L ▸ PVC ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3x1.5



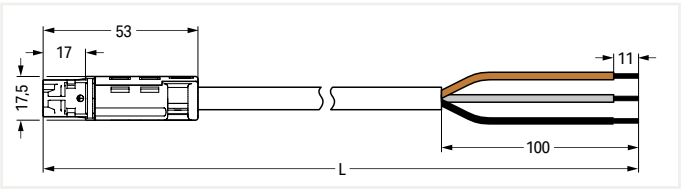
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/006-105			1
2 m	774-9973/006-205			1
3 m	774-9973/006-305			1
4 m	774-9973/006-405			1
5 m	774-9973/006-505			1
6 m	774-9973/006-605			1
7 m	774-9973/006-705			1
8 m	774-9973/006-805			1



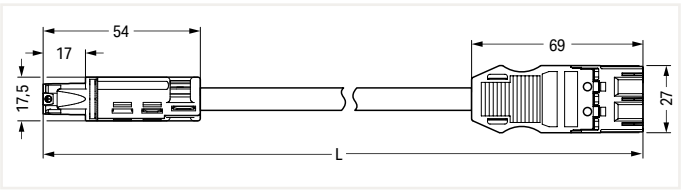
Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/106-105			1
2 m	774-9973/106-205			1
3 m	774-9973/106-305			1
4 m	774-9973/106-405			1
5 m	774-9973/106-505			1
6 m	774-9973/106-605			1
7 m	774-9973/106-705			1
8 m	774-9973/106-805			1



Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/206-105			1
2 m	774-9973/206-205			1
3 m	774-9973/206-305			1
4 m	774-9973/206-405			1
5 m	774-9973/206-505			1
6 m	774-9973/206-605			1
7 m	774-9973/206-705			1
8 m	774-9973/206-805			1



Adapter cable ▸ Socket (RD) - Plug (MIDI)

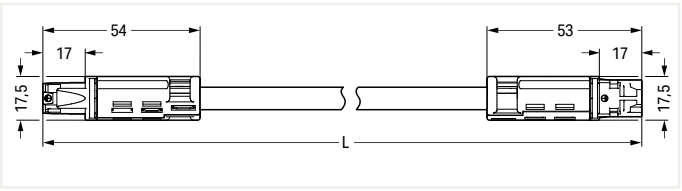
Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/1506-105			1
2 m	774-9973/1506-205			1
3 m	774-9973/1506-305			1
4 m	774-9973/1506-405			1
5 m	774-9973/1506-505			1
6 m	774-9973/1506-605			1
7 m	774-9973/1506-705			1
8 m	774-9973/1506-805			1

7

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

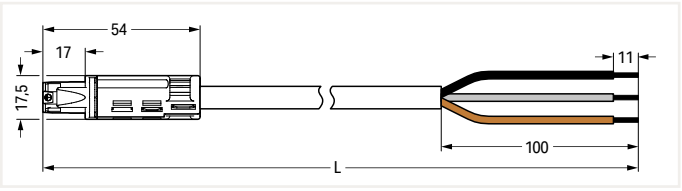
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: S ▸ Marking: 1 2 L ▸ Halogen-free ▸ Cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3x1.5



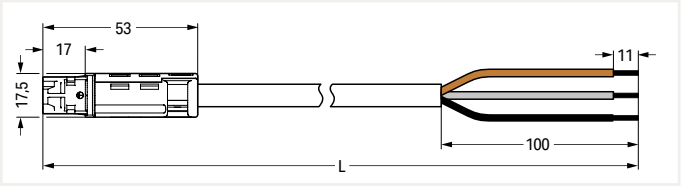
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/016-105			1
2 m	774-9973/016-205			1
3 m	774-9973/016-305			1
4 m	774-9973/016-405			1
5 m	774-9973/016-505			1
6 m	774-9973/016-605			1
7 m	774-9973/016-705			1
8 m	774-9973/016-805			1



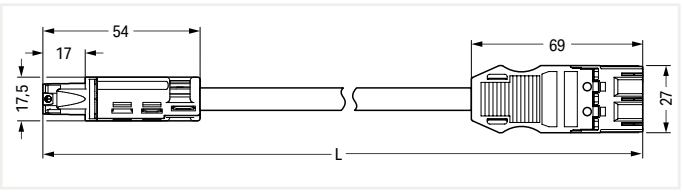
Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/116-105			1
2 m	774-9973/116-205			1
3 m	774-9973/116-305			1
4 m	774-9973/116-405			1
5 m	774-9973/116-505			1
6 m	774-9973/116-605			1
7 m	774-9973/116-705			1
8 m	774-9973/116-805			1



Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/216-105			1
2 m	774-9973/216-205			1
3 m	774-9973/216-305			1
4 m	774-9973/216-405			1
5 m	774-9973/216-505			1
6 m	774-9973/216-605			1
7 m	774-9973/216-705			1
8 m	774-9973/216-805			1



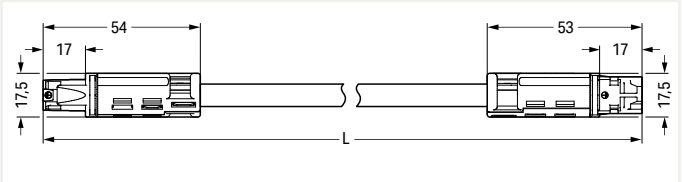
Adapter cable ▸ Socket (RD) - Plug (MIDI)

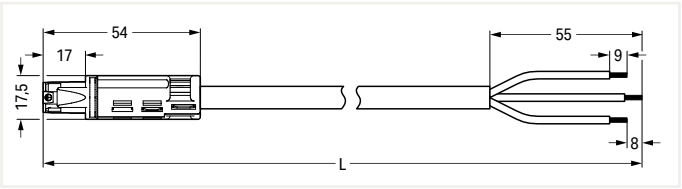
Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/1516-105			1
2 m	774-9973/1516-205			1
3 m	774-9973/1516-305			1
4 m	774-9973/1516-405			1
5 m	774-9973/1516-505			1
6 m	774-9973/1516-605			1
7 m	774-9973/1516-705			1
8 m	774-9973/1516-805			1

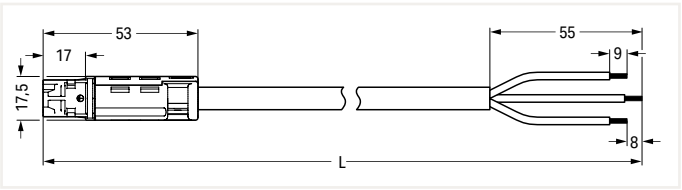
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

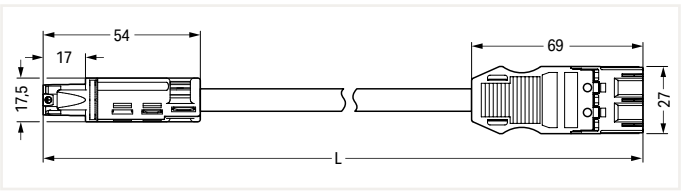
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 3 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ PVC ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05VV-F 3G2.5









Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/007-101	774-9993/007-102		1
2 m	774-9993/007-201	774-9993/007-202		1
3 m	774-9993/007-301	774-9993/007-302		1
4 m	774-9993/007-401	774-9993/007-402		1
5 m	774-9993/007-501	774-9993/007-502		1
6 m	774-9993/007-601	774-9993/007-602		1
7 m	774-9993/007-701	774-9993/007-702		1
8 m	774-9993/007-801	774-9993/007-802		1

Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/107-101	774-9993/107-102		1
2 m	774-9993/107-201	774-9993/107-202		1
3 m	774-9993/107-301	774-9993/107-302		1
4 m	774-9993/107-401	774-9993/107-402		1
5 m	774-9993/107-501	774-9993/107-502		1
6 m	774-9993/107-601	774-9993/107-602		1
7 m	774-9993/107-701	774-9993/107-702		1
8 m	774-9993/107-801	774-9993/107-802		1

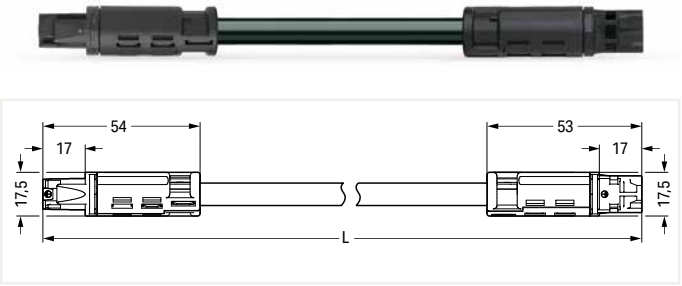
Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/207-101	774-9993/207-102		1
2 m	774-9993/207-201	774-9993/207-202		1
3 m	774-9993/207-301	774-9993/207-302		1
4 m	774-9993/207-401	774-9993/207-402		1
5 m	774-9993/207-501	774-9993/207-502		1
6 m	774-9993/207-601	774-9993/207-602		1
7 m	774-9993/207-701	774-9993/207-702		1
8 m	774-9993/207-801	774-9993/207-802		1

Adapter cable ▸ Socket (RD) - Plug (MIDI)				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	774-9993/1507-101			1
2 m	774-9993/1507-201			1
3 m	774-9993/1507-301			1
4 m	774-9993/1507-401			1
5 m	774-9993/1507-501			1
6 m	774-9993/1507-601			1
7 m	774-9993/1507-701			1
8 m	774-9993/1507-801			1

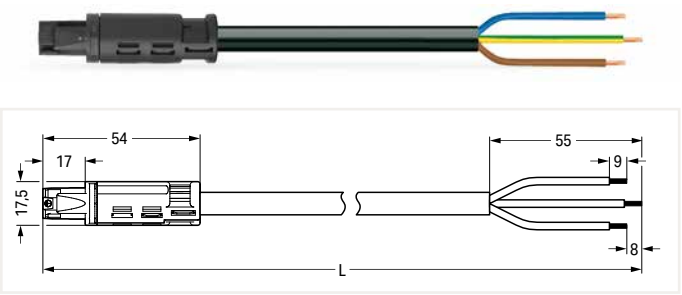
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

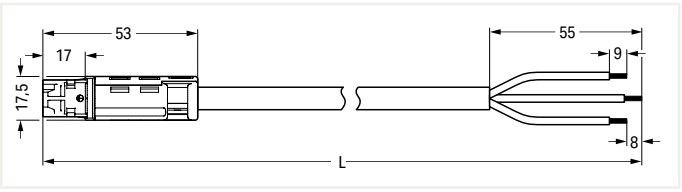
No. of poles: 3 ▸ Protection class: IP20 ▸ 2.5 mm² ▸ Coding: A ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Cable diameter: 9.2 … 11.4 mm ▸ H05Z1Z1-F 3G2.5



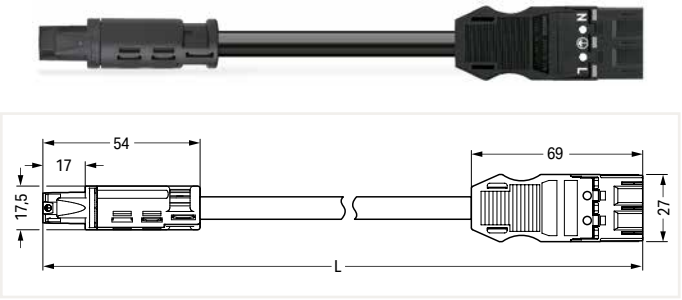
Interconnecting cable ▸ Socket - Plug				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/017-101	774-9993/017-102		1
2 m	774-9993/017-201	774-9993/017-202		1
3 m	774-9993/017-301	774-9993/017-302		1
4 m	774-9993/017-401	774-9993/017-402		1
5 m	774-9993/017-501	774-9993/017-502		1
6 m	774-9993/017-601	774-9993/017-602		1
7 m	774-9993/017-701	774-9993/017-702		1
8 m	774-9993/017-801	774-9993/017-802		1



Connecting cable ▸ Socket - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/117-101	774-9993/117-102		1
2 m	774-9993/117-201	774-9993/117-202		1
3 m	774-9993/117-301	774-9993/117-302		1
4 m	774-9993/117-401	774-9993/117-402		1
5 m	774-9993/117-501	774-9993/117-502		1
6 m	774-9993/117-601	774-9993/117-602		1
7 m	774-9993/117-701	774-9993/117-702		1
8 m	774-9993/117-801	774-9993/117-802		1



Connecting cable ▸ Plug - Free end				
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/217-101	774-9993/217-102		1
2 m	774-9993/217-201	774-9993/217-202		1
3 m	774-9993/217-301	774-9993/217-302		1
4 m	774-9993/217-401	774-9993/217-402		1
5 m	774-9993/217-501	774-9993/217-502		1
6 m	774-9993/217-601	774-9993/217-602		1
7 m	774-9993/217-701	774-9993/217-702		1
8 m	774-9993/217-801	774-9993/217-802		1



Adapter cable ▸ Socket (RD) - Plug (MIDI)				
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	774-9993/1517-101			1
2 m	774-9993/1517-201			1
3 m	774-9993/1517-301			1
4 m	774-9993/1517-401			1
5 m	774-9993/1517-501			1
6 m	774-9993/1517-601			1
7 m	774-9993/1517-701			1
8 m	774-9993/1517-801			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pluggable Connector ▸ *WINSTA*® RD ▸ 774 Series
No. of poles: 3 ▸ Plug adapter - Free end ▸ 2.5 mm² ▸ for Attema's Hollow-Wall Boxes

- For round conduits and ducts
- 3- and 4-pole preassembled cables with 17.5 mm outer diameter for easy plug & play
- Plug-in integration into the electrical installation of hollow-wall boxes via adapter, for example

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	20 A	-	-	

Connection Data	
Strip length	16 mm / 0.63 Inch

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated • Plugging when laterally staggered

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

7

These plug adapters are designed for Attema's hollow-wall boxes. They permit complete preassembly of switches and power outlets, allowing them to be plugged on site via WINSTA® RD Connectors. This relocates the wiring of switches and outlets from the construction site to the factory, simplifying on-site installation and minimizing installation time.

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® RD ▸ 774 Series

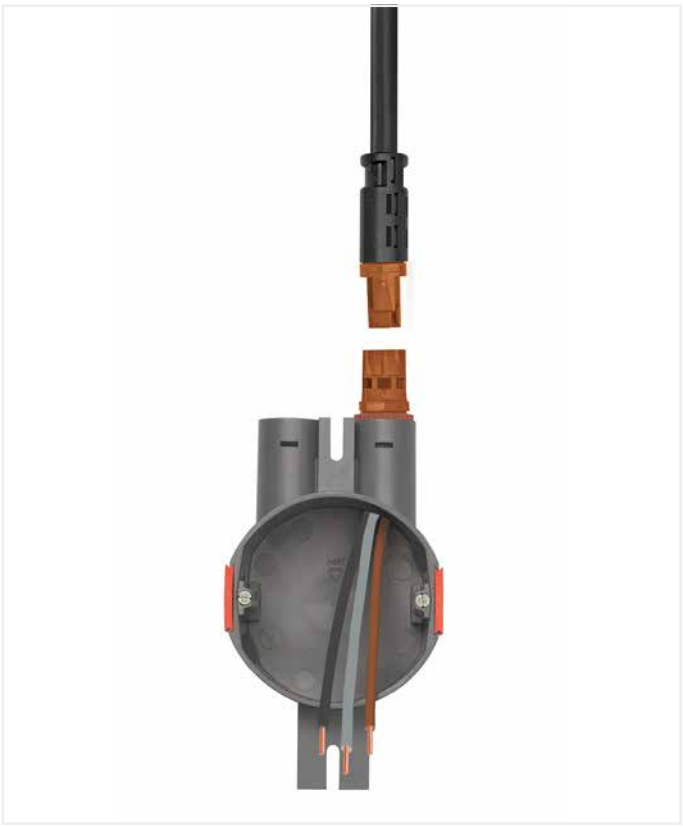
No. of poles: 3 ▸ Plug adapter - Free end ▸ 2.5 mm² ▸ for Attema's Hollow-Wall Boxes

for power outlets

Color	Coding	Marking	Item No.	PU
black	A		774-213/9900-000	10

for switches

Color	Coding	Marking	Item No.	PU
brown	S		774-1373/9900-000	10



PU = Packaging Unit; SPU = Subpackaging Unit

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2 1 ▸ Cable diameter: 8.4 … 10.5 mm

- For round conduits and ducts
- 3- and 4-pole preassembled cables with 17.5 mm outer diameter for easy plug & play
- Plug-in integration into the electrical installation of hollow-wall boxes via adapter, for example

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	16 A	-	-	

Connection Data	
Strip length	9 mm / 0.35 Inch

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated • Plugging when laterally staggered

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

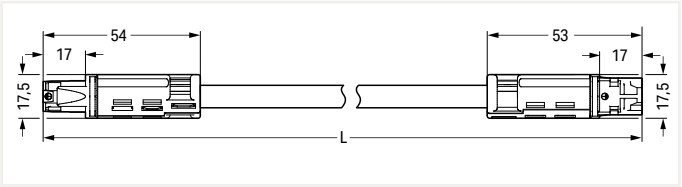
Cables with different fire load are available in the eShop

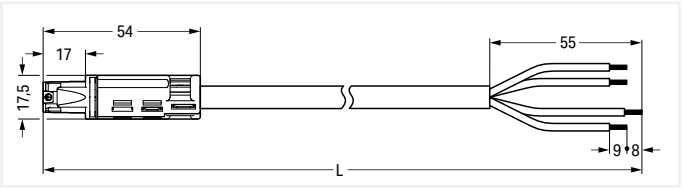
Additional information, see “Technical Section”

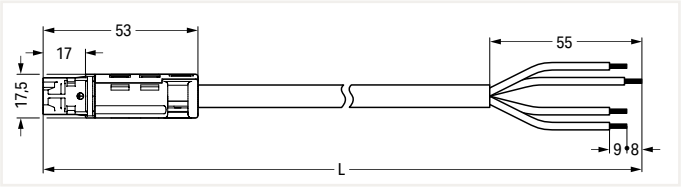
Approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2 1 ▸ Cable diameter: 8.4 … 10.5 mm ▸ PVC ▸ H05VV-F 4G1.5







Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9994/006-101	774-9994/006-102		1
2 m	774-9994/006-201	774-9994/006-202		1
3 m	774-9994/006-301	774-9994/006-302		1
4 m	774-9994/006-401	774-9994/006-402		1
5 m	774-9994/006-501	774-9994/006-502		1
6 m	774-9994/006-601	774-9994/006-602		1
7 m	774-9994/006-701	774-9994/006-702		1
8 m	774-9994/006-801	774-9994/006-802		1

Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9994/106-101	774-9994/106-102		1
2 m	774-9994/106-201	774-9994/106-202		1
3 m	774-9994/106-301	774-9994/106-302		1
4 m	774-9994/106-401	774-9994/106-402		1
5 m	774-9994/106-501	774-9994/106-502		1
6 m	774-9994/106-601	774-9994/106-602		1
7 m	774-9994/106-701	774-9994/106-702		1
8 m	774-9994/106-801	774-9994/106-802		1

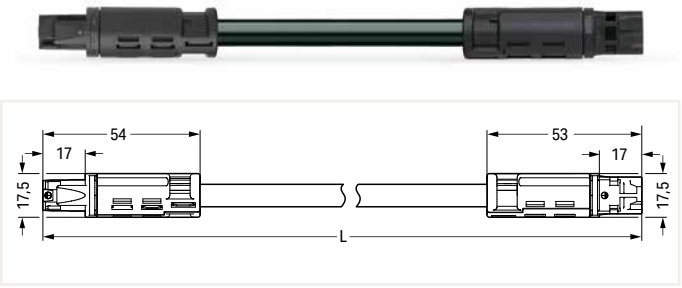
Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9994/206-101	774-9994/206-102		1
2 m	774-9994/206-201	774-9994/206-202		1
3 m	774-9994/206-301	774-9994/206-302		1
4 m	774-9994/206-401	774-9994/206-402		1
5 m	774-9994/206-501	774-9994/206-502		1
6 m	774-9994/206-601	774-9994/206-602		1
7 m	774-9994/206-701	774-9994/206-702		1
8 m	774-9994/206-801	774-9994/206-802		1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

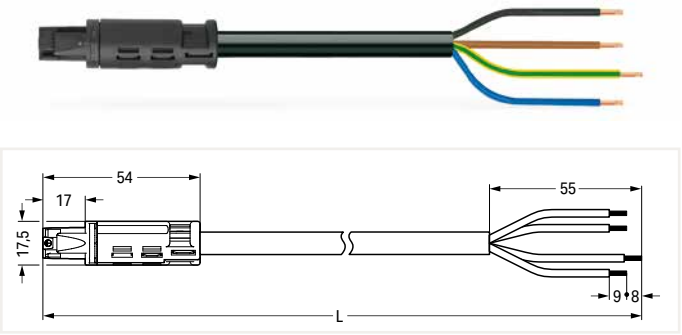
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

No. of poles: 4 ▸ Protection class: IP20 ▸ 1.5 mm² ▸ Coding: A ▸ Marking: N ⏚ 2 1 ▸ Cable diameter: 8.4 … 10.5 mm ▸ Halogen-free ▸ H05Z1Z1-F 4G1.5



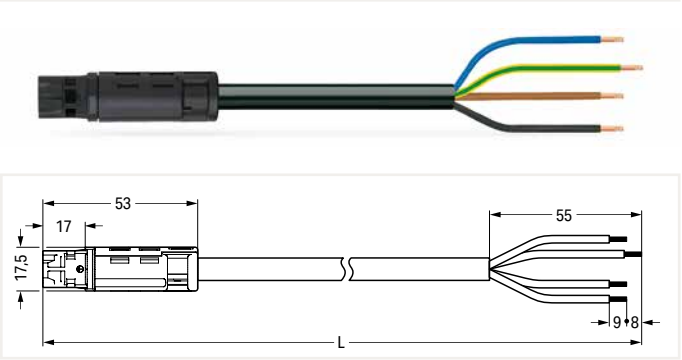
Interconnecting cable ▸ Socket - Plug

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9994/016-101	774-9994/016-102		1
2 m	774-9994/016-201	774-9994/016-202		1
3 m	774-9994/016-301	774-9994/016-302		1
4 m	774-9994/016-401	774-9994/016-402		1
5 m	774-9994/016-501	774-9994/016-502		1
6 m	774-9994/016-601	774-9994/016-602		1
7 m	774-9994/016-701	774-9994/016-702		1
8 m	774-9994/016-801	774-9994/016-802		1



Connecting cable ▸ Socket - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9994/116-101	774-9994/116-102		1
2 m	774-9994/116-201	774-9994/116-202		1
3 m	774-9994/116-301	774-9994/116-302		1
4 m	774-9994/116-401	774-9994/116-402		1
5 m	774-9994/116-501	774-9994/116-502		1
6 m	774-9994/116-601	774-9994/116-602		1
7 m	774-9994/116-701	774-9994/116-702		1
8 m	774-9994/116-801	774-9994/116-802		1



Connecting cable ▸ Plug - Free end

Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9994/216-101	774-9994/216-102		1
2 m	774-9994/216-201	774-9994/216-202		1
3 m	774-9994/216-301	774-9994/216-302		1
4 m	774-9994/216-401	774-9994/216-402		1
5 m	774-9994/216-501	774-9994/216-502		1
6 m	774-9994/216-601	774-9994/216-602		1
7 m	774-9994/216-701	774-9994/216-702		1
8 m	774-9994/216-801	774-9994/216-802		1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WAGO Pluggable Connection System *WINSTA*® KNX

PUSH WIRE®

WAGO Pluggable Connection System *WINSTA*® KNX ▸ 893, 894 Series
Ø 0.8 mm / 3 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® KNX Connectors are not intended for installation in open or easily accessible areas.

		Page
	Pluggable Connectors; 893 Series 2-pole	406
	Snap-In Device Connectors; 893 Series 2-pole	408
	Distribution Connectors; 893 Series 2-pole	410
	Cable Assemblies; 894 Series Ø 2 x 0.8 mm	412

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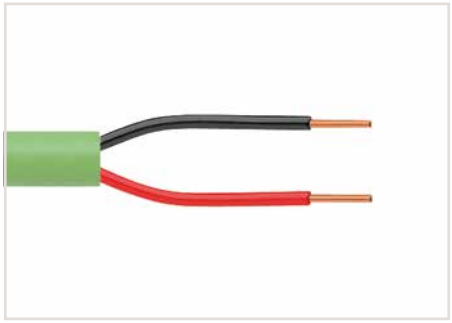
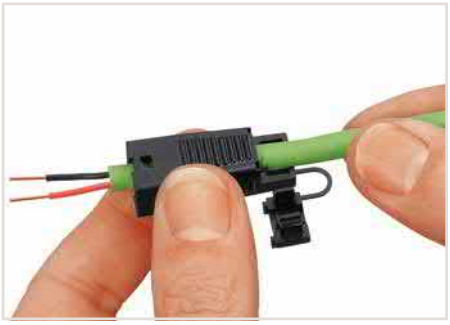
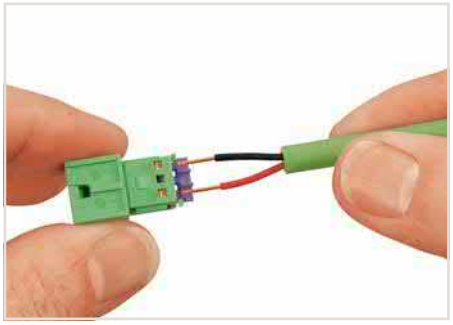
WINSTA® KNX ▸ 893, 894 Series
Description and Installation



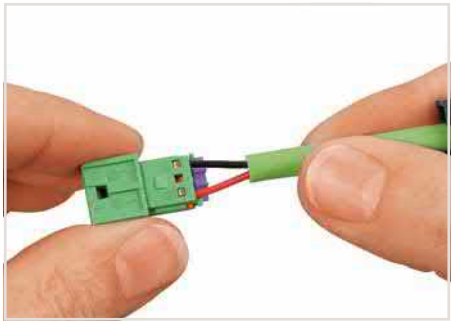
1. Strip length, outer insulation = 23 mm
2. Strip length = 9 mm



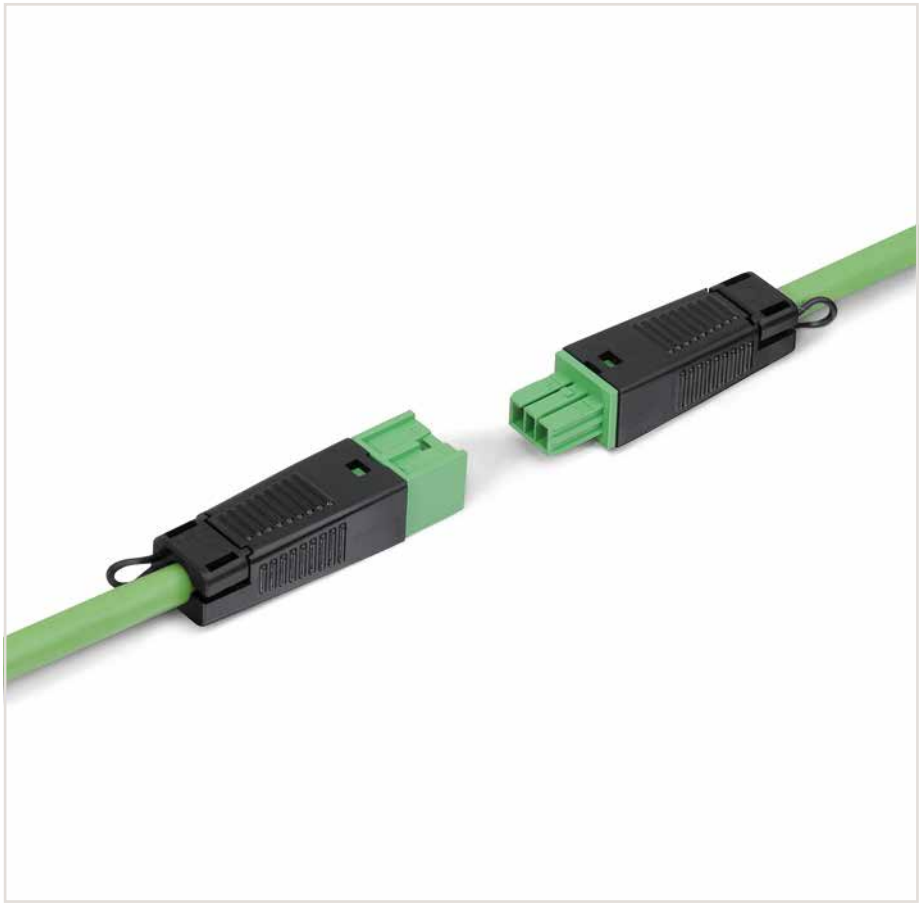
Prior to termination, pull the strain relief housing over the cable.

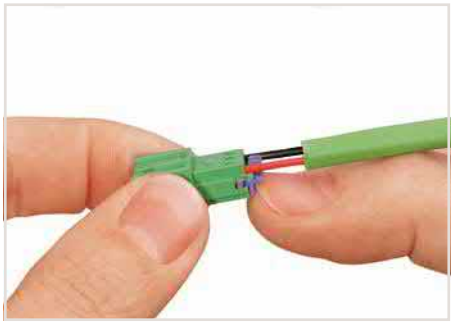


Insert stripped conductors directly into the conductor entries.

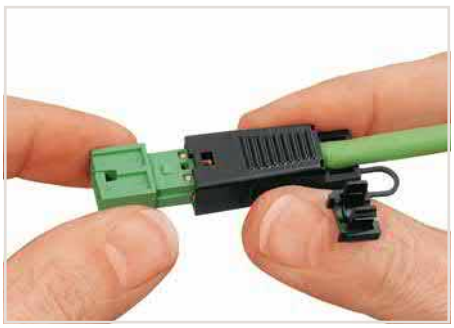


Push conductors until they hit backstop.





To disconnect, open clamping unit using the actuator and pull out the conductor.



Snap wired connector into the strain relief housing.

Press strain relief firmly on the cable.

Pre-assembled KNX connector

Pluggable Connector ▸ *WINSTA*® KNX ▸ 893 Series
No. of poles: 2

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with mismating protection

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	50 V	-	-	
Rated impulse voltage	0.8 kV	-	-	
Rated current	3 A	-	-	

Connection Data	
Connection technology	PUSH WIRE®
Strip length	9 mm / 0.35 Inch
Conductor diameter	0.8 … 0.0 mm

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 10 … 15 N
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

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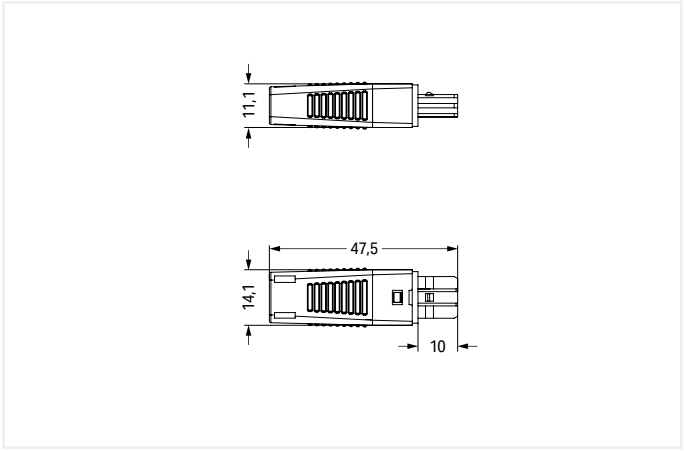
Additional information, see “Technical Section”

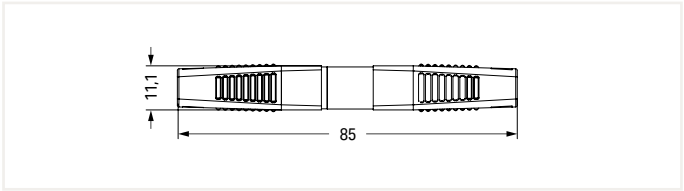
Approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® KNX ▸ 893 Series
No. of poles: 2

Female connector/socket

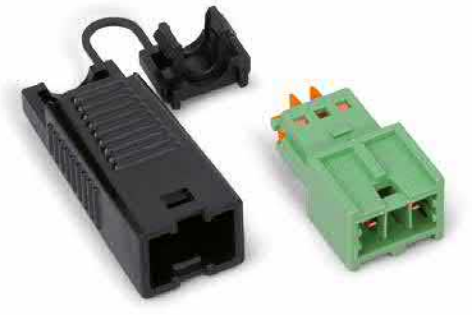
Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1002	50
light gray	F	1+ 2-	893-1022	50



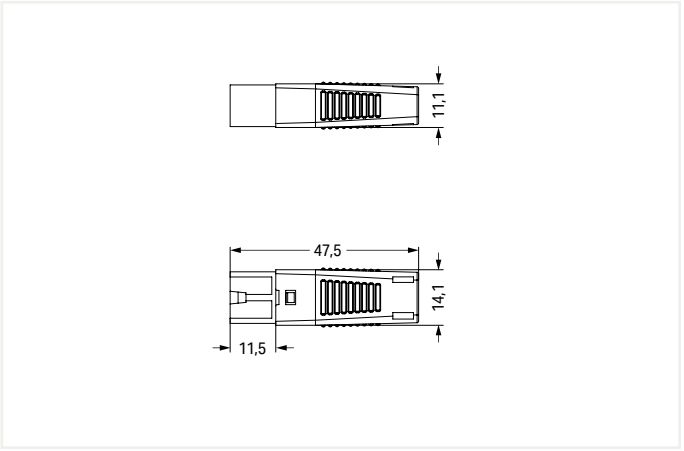


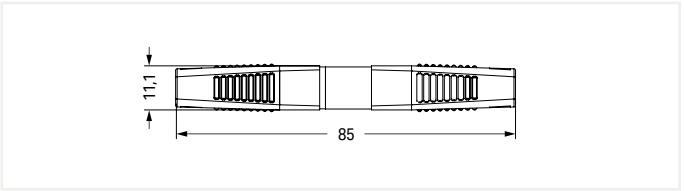
Overall length when mated

Male connector/plug



Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1012	50
light gray	F	1+ 2-	893-1032	50





Overall length when mated

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Snap-In Device Connector ▸ *WINSTA*® KNX ▸ 893 Series
No. of poles: 2

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with mismating protection

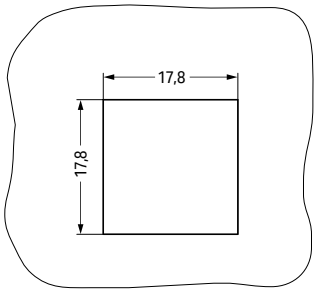


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	50 V	-	-	
Rated impulse voltage	0.8 kV	-	-	
Rated current	3 A	-	-	

Connection Data	
Connection technology	PUSH WIRE®
Strip length	9 mm / 0.35 Inch
Conductor diameter	0.8 … 0.0 mm

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 10 … 15 N
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

8

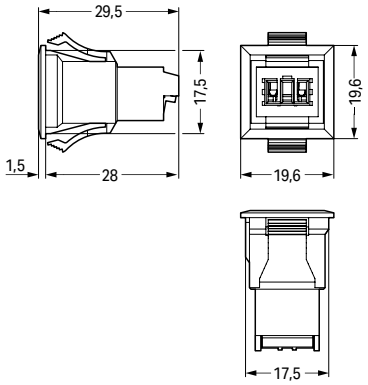
Additional information, see “Technical Section”

Approvals and corresponding ratings,
visit www.wago.com

Snap-In Device Connector ▸ *WINSTA*® KNX ▸ 893 Series
No. of poles: 2

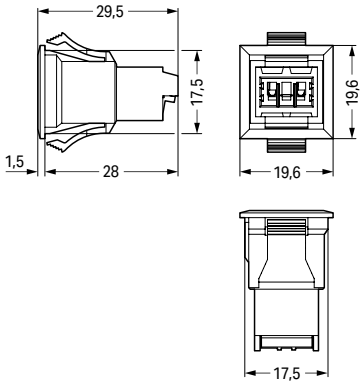
Female connector/socket

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-2002	50
light gray	F	1+ 2-	893-2022	50



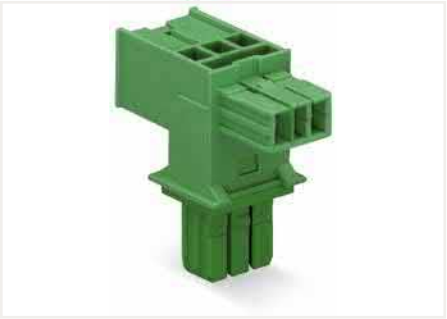
Male connector/plug

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-2012	50
light gray	F	1+ 2-	893-2032	50



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® KNX ▸ 893 Series
No. of poles: 2 ▸ T-distribution connector ▸ Number of locking levers: 2



- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with mismating protection

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	50 V	-	-	
Rated impulse voltage	0.8 kV	-	-	
Rated current	3 A	-	-	

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 10 … 15 N
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	Insulating parts for temperatures ≤ 105 °C

8

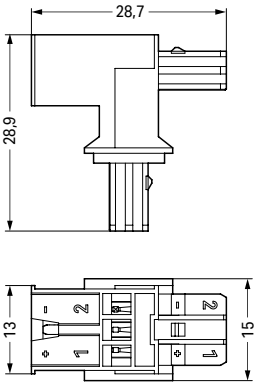
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® KNX ▸ 893 Series

No. of poles: 2 ▸ T-distribution connector ▸ Number of locking levers: 2

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1606	25
light gray	F	1+ 2-	893-1656	25



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series
No. of poles: 2 ▸ Marking: 1+ 2-

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with mismating protection

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	50 V	-	-	
Rated impulse voltage	0.8 kV	-	-	
Rated current	3 A	-	-	

Connection Data	
Conductor diameter	0.8 mm

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 10 … 15 N
Unmating force of a plug-in connection	when unlocked: approx. 15 … 20 N
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

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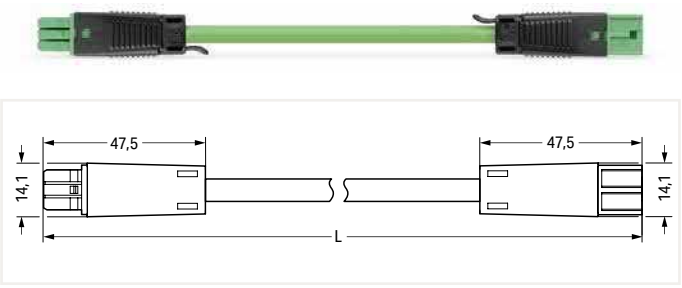
Cables with different fire load are available in the eShop

Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

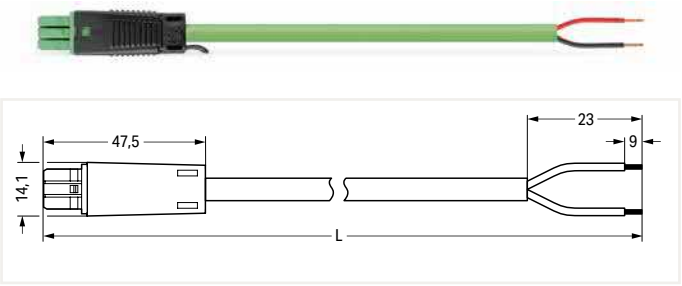
Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series

No. of poles: 2 ▸ Marking: 1+ 2- ▸ Coding: E ▸ PVC ▸ UNITRONIC BUS EIB 2x2x0.8



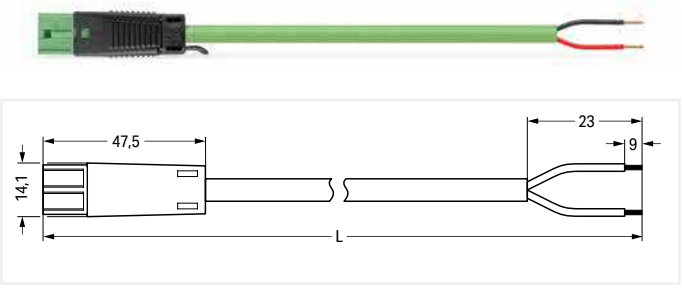
Interconnecting cable ▸ Connection type Socket - Plug

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8992/033-106			1
3 m	894-8992/033-306			1
5 m	894-8992/033-506			1



Connecting cable ▸ Connection type Socket - Free end

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8992/133-106			1
3 m	894-8992/133-306			1
5 m	894-8992/133-506			1



Connecting cable ▸ Connection type Plug - Free end

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8992/233-106			1
3 m	894-8992/233-306			1
5 m	894-8992/233-506			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

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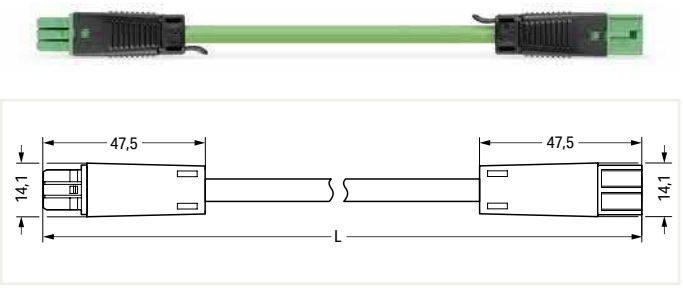
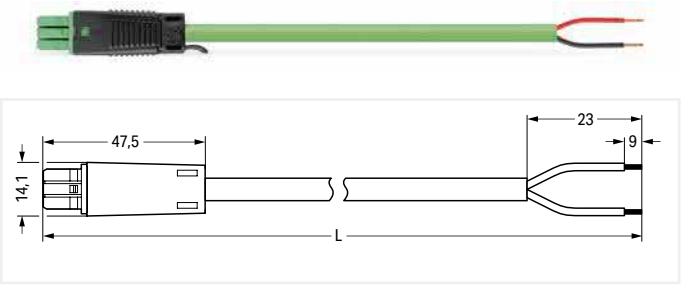
Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series

No. of poles: 2 ▸ Marking: 1+ 2- ▸ Coding: E ▸ Halogen-free ▸ UNITRONIC BUS EIB 2x2x0.8



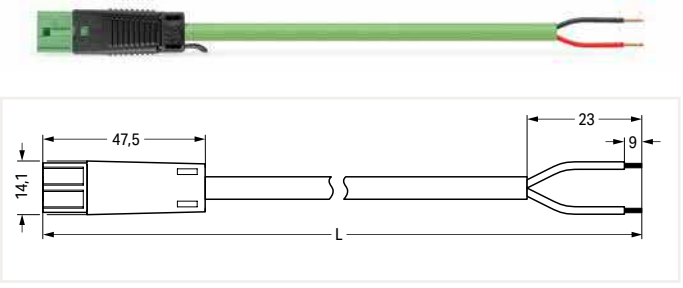
Interconnecting cable ▸ Connection type Socket - Plug

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8992/023-106			1
3 m	894-8992/023-306			1
5 m	894-8992/023-506			1



Connecting cable ▸ Connection type Socket - Free end

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8992/123-106			1
3 m	894-8992/123-306			1
5 m	894-8992/123-506			1



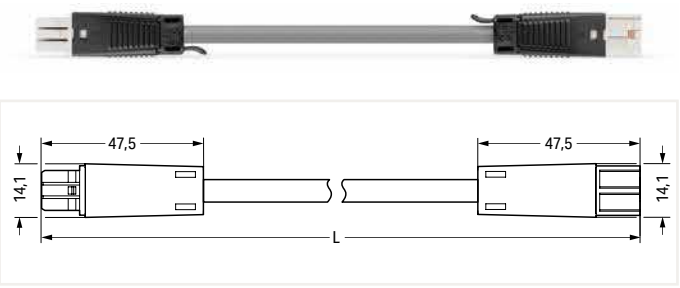
Connecting cable ▸ Connection type Plug - Free end

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8992/223-106			1
3 m	894-8992/223-306			1
5 m	894-8992/223-506			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

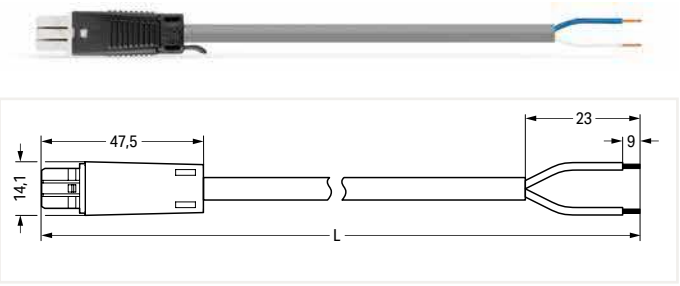
Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series

No. of poles: 2 ▸ Marking: 1+ 2- ▸ Coding: F ▸ Halogen-free ▸ J-Y(ST)Y...LG 1x2x0.8



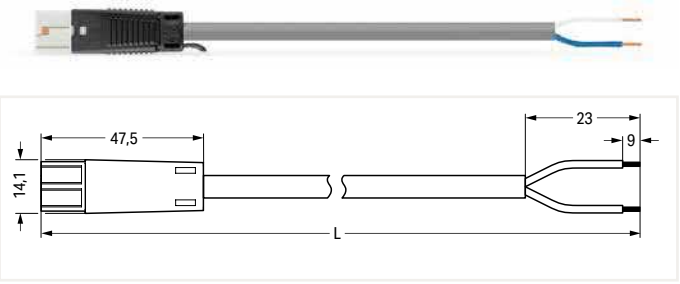
Interconnecting cable ▸ Connection type Socket - Plug

Total length	Connector color/Strain relief color			PU
	light gray/black			
1 m	894-8992/023-107			1
3 m	894-8992/023-307			1
5 m	894-8992/023-507			1



Connecting cable ▸ Connection type Socket - Free end

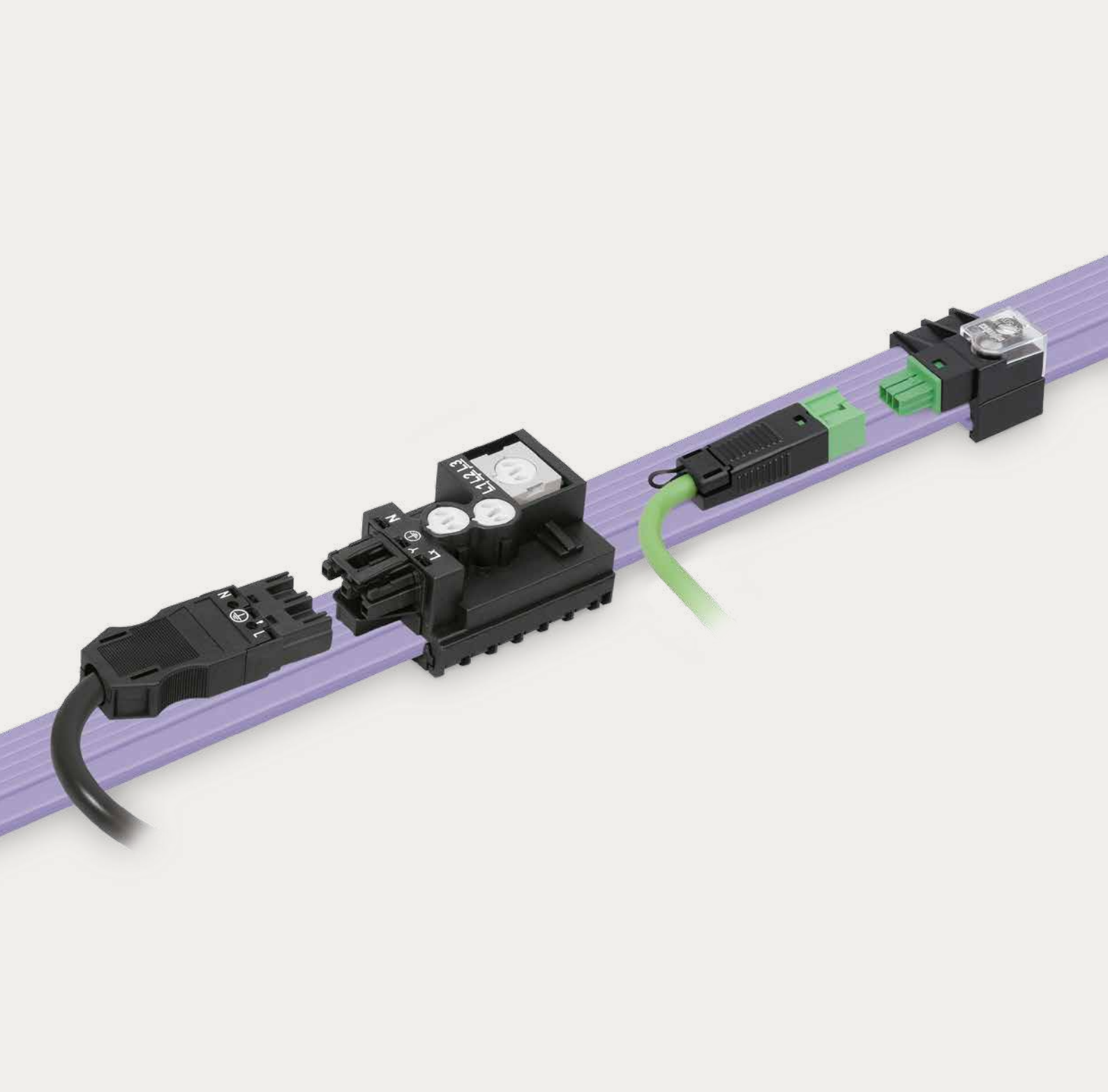
Total length	Connector color/Strain relief color			PU
	light gray/black			
1 m	894-8992/123-107			1
3 m	894-8992/123-307			1
5 m	894-8992/123-507			1



Connecting cable ▸ Connection type Plug - Free end

Total length	Connector color/Strain relief color			PU
	light gray/black			
1 m	894-8992/223-107			1
3 m	894-8992/223-307			1
5 m	894-8992/223-507			1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm



WAGO Pluggable Connection System *WINSTA*® IDC

Important note:

The *WINSTA*® IDC system consists of the flat cables and the appropriate *WINSTA*® connection components that are described in this catalog and marked with "Woertz."
WAGO warranties the fault-free function of the *WINSTA*® IDC system only where original components are utilized.

Notice:
Only use identically coded supply and tap-off modules on the same cable!
- A- and P-coding (N ⏚ L1 L2 L3) are designed for a 400 V three-phase current cable configuration.
- I-coding (N ⏚ L DA- DA+) is designed for up to 230 V and dimming cable configurations.
- B-coding (N ⏚ L1 L2 L3) is designed for custom cable configurations.
  Only modules with the same pole marking shall be used within an application.

WAGO Pluggable Connection System *WINSTA*® IDC ▶ 772, 893, 895, 896 Series for Flat Cables up to 16 mm²

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® IDC Connectors are not intended for installation in open or easily accessible areas.

		Page
	IDC Modules for Flat Cables **5 x 2.5 mm² / 5 x 4 mm² / 5 x 2.5 mm² + 2 x 1.5 mm²; 772 Series** Supply Modules Tap-Off Modules, *WINSTA*® Connectors	 421 421
	IDC Modules for Flat Cables **5 x 2.5 mm² + 2 x 1.5 mm²; 893 Series** Supply Modules (KNX and Special Coding) Tap-Off Modules (KNX and Special Coding)	 425 426
	IDC Modules for Flat Cables **2 x 1.5 mm²; 893 Series** Supply Modules (KNX and Special Coding) Tap-Off Modules (KNX and Special Coding)	 429 430
	IDC Modules for Flat Cables **3 x 2.5 mm²; 896 Series** Supply Modules Tap-Off Modules	 433 434
	POWERBLOCK 10 for Flat Cable **5 x 10 mm²; 895 Series** Supply Modules Tap-Off Modules	 437 438
	POWERBLOCK 16 for Flat Cable **5 x 16 mm²; 895 Series** Supply Modules Tap-Off Modules	 441 442

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WINSTA® IDC ▸ 772 Series
Installation

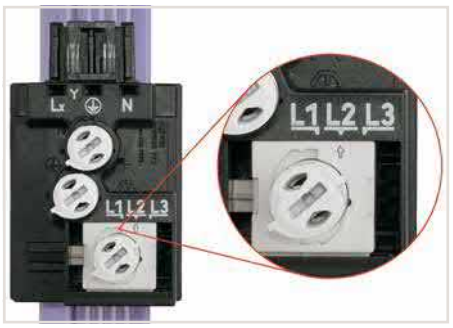
Insert flat cable into base (observe coding!).

Mount IDC module flush with the base.
Should the IDC module jam during mounting, turn the upper part by 180° and remount it.

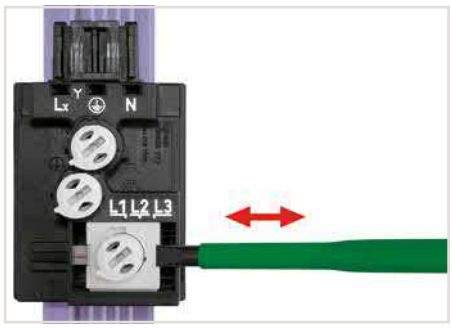
Screw down contact elements until element stops.

The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.

Snapping a supply or tap-off module onto a mounting plate.



The phase selector is in position L2 (center) when delivered.



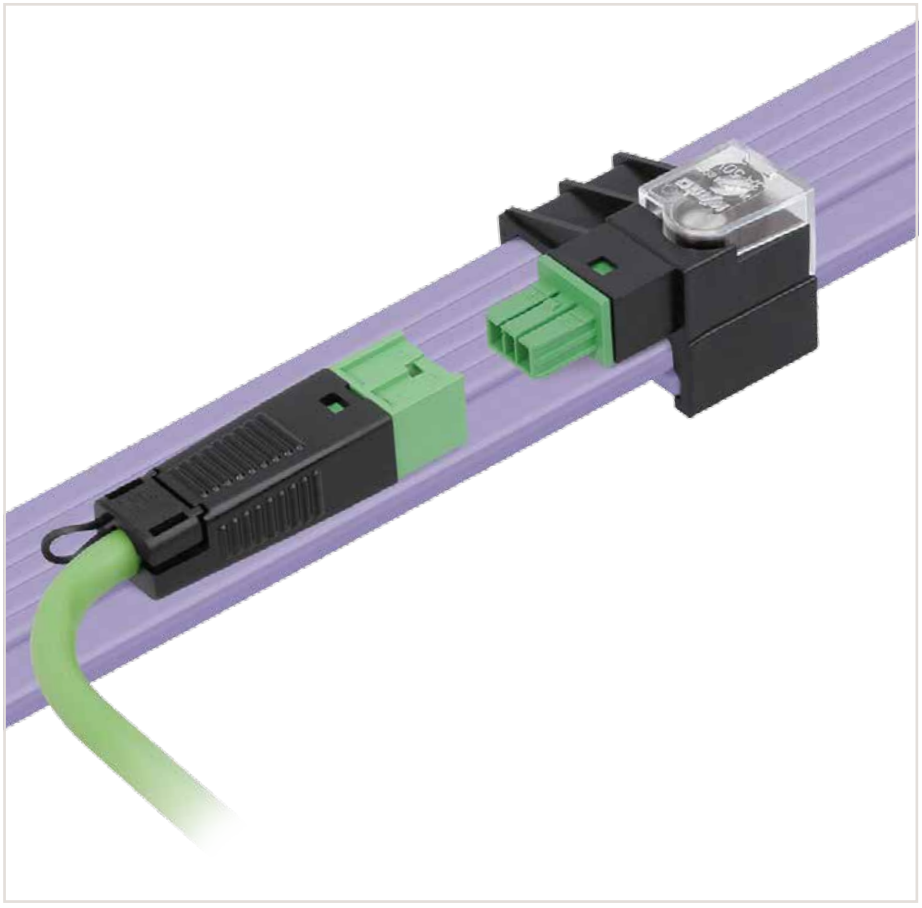
Move the phase selector into position L1 or L3 if required.

After connecting the flat cable, the IDC module is locked and can no longer be moved, even after unscrewing the contact element.

Connecting an installation cable to the supply module: Simply push stripped, solid conductors into unit. Open clamp via screwdriver to insert stripped, fine-stranded conductors.

Secure supply cable via strain relief housing.

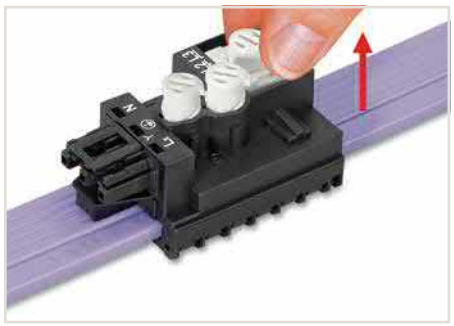
Tighten strain relief screw using a screwdriver.



Tighten the screws to connect the flat cable.
Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.

Notice: Should it be necessary to tap another phase, this must be done in a different location. To do so, the contact elements must be unscrewed and brought back to their original position.



Lift contact element to unlock phase selector and select the new phase.
Notice: Do not reuse in the same location of the flat cable.

Use insulating tape to seal the contact holes in the flat cable after removing a module.

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 772 Series
for flat cables 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any location of the flat cable – one rotation per pole is all that is required

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	-	-	
Rated impulse voltage	6 kV	-	-	
Rated current	25 A	-	-	

Connection Data	
Strip length	9 mm / 0.35 Inch
Nominal cross section	4 mm²
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor, push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm² / 16 AWG
Connection technology 2	IDC connection

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 30–70N (depending on number of poles)
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)
Mismating protection	All *WINSTA*® components are 100 % protected against mismating in terms of: • Plugging a different number of poles • Plugging when rotated by 180° • Plugging when laterally staggered • Plugging one pole

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) PVC flat cable for temperatures -15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Notice:
Only use identically coded supply and tap-off modules on the same cable!
- A- and P-coding (N ⏚ L1 L2 L3) are designed for a 400 V three-phase current cable configuration.
- I-coding (N ⏚ L DA- DA+) is designed for up to 230 V and dimming cable configurations.
- B-coding (N ⏚ L1 L2 L3) is designed for custom cable configurations. Only modules with the same pole marking shall be used within an application.

Tools	Page 506
Flat cables	Page 503
Additional information, see “Technical Section”	
Approvals and corresponding ratings, visit www.wago.com	

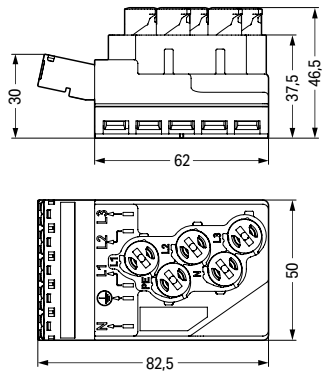
Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 772 Series
for flat cables 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

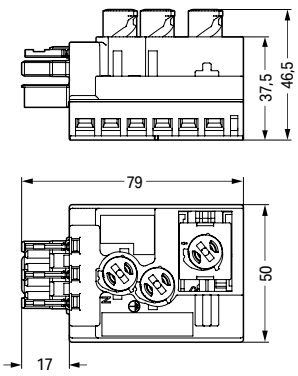
Supply module ▸ No. of poles: 5

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	772-261	10
gray	B	N ⏚ L1 L2 L3	772-264/060-000	10
blue	I	N ⏚ L DA- DA+	772-271	10
red	P	N ⏚ L1 L2 L3	772-267	10

Tap-off module ▸ No. of poles: 3

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ Lx	772-263	10
gray	B	N ⏚ Lx	772-266/060-000	10
red	P	N ⏚ Lx	772-269	10





Item-Specific Accessories

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Accessories; for all products on this page

Mounting plate; for Supply and Tap-off Modules

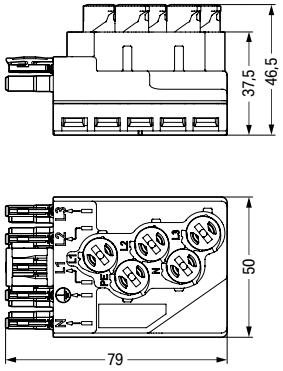
Color	Item No.	PU
black	772-260	10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 772 Series
for flat cables 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

Tap-off module ▸ No. of poles: 5

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	772-262	10
gray	B	N ⏚ L1 L2 L3	772-265/060-000	10
blue	I	N ⏚ L DA- DA+	772-272	10
red	P	N ⏚ L1 L2 L3	772-268	10



9

Accessories; for all products on this page

Lockout cap; for socket; separable; No. of poles: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting plate; for Supply and Tap-off Modules

Color	Item No.	PU
black	772-260	10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ No. of poles: 2

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any location of the flat cable – one rotation per pole is all that is required

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	50 V	-	-	
Rated impulse voltage	0.8 kV	-	-	
Rated current	3 A	-	-	

Connection Data	
Strip length	5 … 6 mm / 0.2 … 0.24 Inch
Conductor diameter	0.8 … 0.0 mm
Connection technology 2	IDC connection

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 30–70N (depending on number of poles)
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) PVC flat cable for temperatures -15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Flat cables Page 503

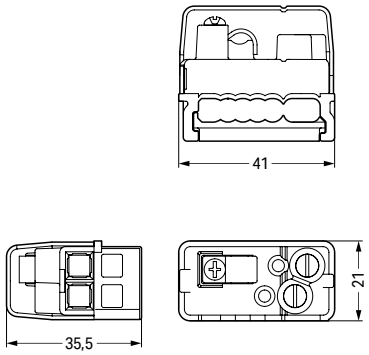
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

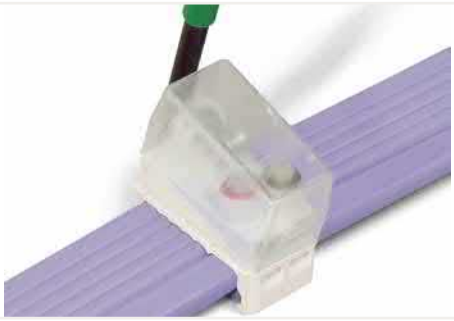
Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ No. of poles: 2

Supply module

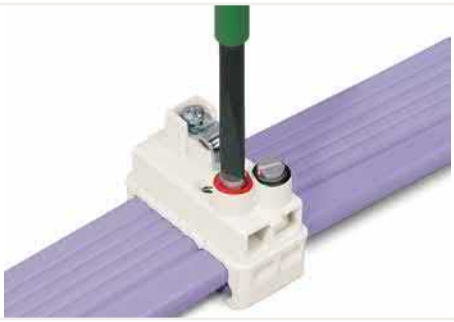
Color	Item No.	PU
gray	893-261	50



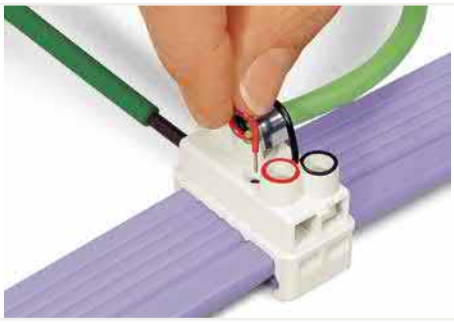
The IDC module can only be mounted if the two codings match each other. Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.



Remove transparent cover using a screwdriver.



Tighten the screws that are marked in red and black to connect the flat cable. Observe 1 Nm of tightening torque!



Secure bus cable via strain relief and terminate stripped conductors as shown in the picture.

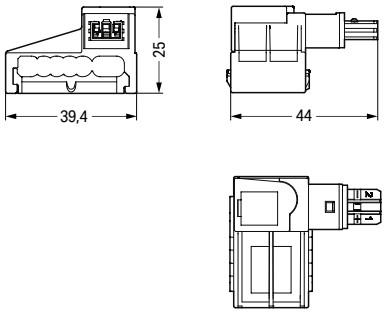
9

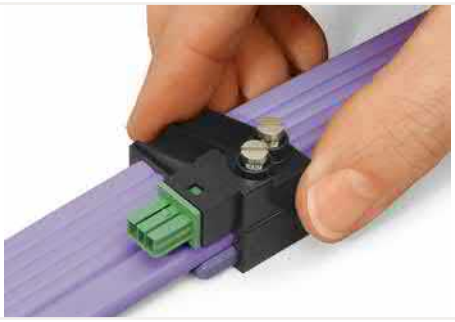
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ No. of poles: 2

Tap-off module

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-262	50
light gray	F	1+ 2-	893-269	50

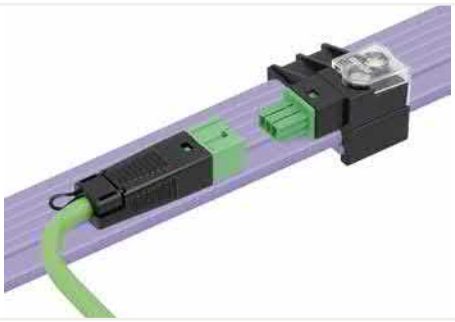




The IDC module can only be mounted if the two codings match each other.
Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

Tighten the screws to connect the flat cable.
Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.



Connect the cable assembly to the module.

9

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ No. of poles: 2

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any location of the flat cable – one rotation per pole is all that is required

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	50 V	-	-	
Rated impulse voltage	0.8 kV	-	-	
Rated current	3 A	-	-	

Connection Data	
Connection technology	IDC
Strip length	5 … 6 mm / 0.2 … 0.24 Inch
Conductor diameter	0.6 … 0.8 mm

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Reaction to fire class per EN 50575	E_{ca}

Mechanical Data	
Mating force of a plug-in connection	approx. 30–70N (depending on number of poles)
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) PVC flat cable for temperatures -15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Flat cables Page 504

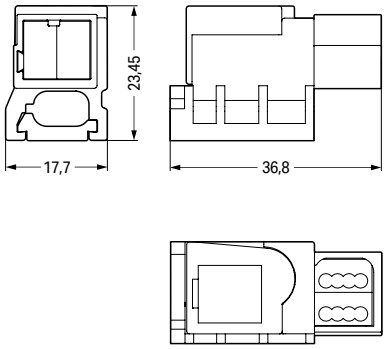
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ No. of poles: 2

Supply module

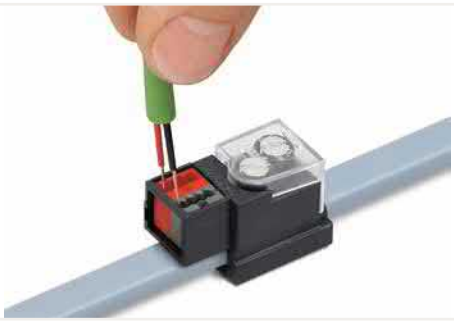
Color	Item No.	PU
black	893-121	25



The IDC module can only be mounted if the two codings match each other.
Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

Tighten the screws to connect the flat cable.
Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.



Terminate stripped, solid conductors by simply pushing them into unit until they hit backstop.

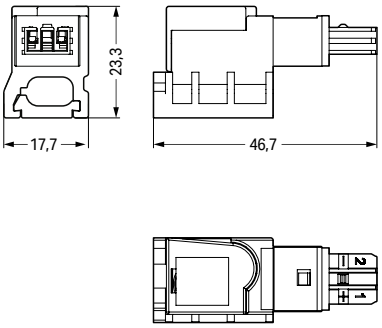
9

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ No. of poles: 2

Tap-off module

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-122	50
light gray	F	1+ 2-	893-129	50



The IDC module can only be mounted if the two codings match each other. Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

Tighten the screws to connect the flat cable. Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.

Connect the cable assembly to the module.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any location of the flat cable – one rotation per pole is all that is required

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	-	-	
Rated impulse voltage	4 kV	-	-	
Rated current	24 A	-	-	

Connection Data	
Connection technology	Screw clamp connection
Connection technology 2	IDC connection

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Protection class	IP20

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C

9

Flat cables Page 504

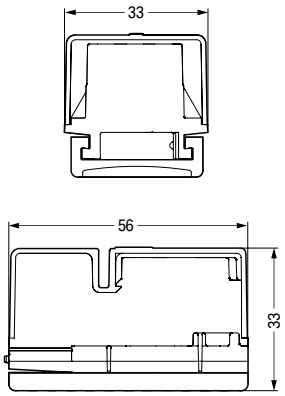
Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Supply module ▸ No. of poles: 3

Color	Item No.	PU
gray	896-231	10

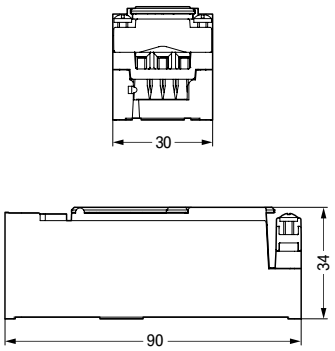


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Tap-off module ▸ No. of poles: 3

Color	Item No.	PU
gray	896-232	10



Position the base and tighten screw, if necessary. Insert flat cable accurately. The key in the base must match the groove in the cable insulation.

Cut outgoing feeder cable, completely strip and insert conductors. Tighten screws firmly (observe 0.7 Nm of tightening torque).

Insert upper part into base until it hits the stop (which will click when engaged). Push down and lock lever. All three cores are contacted simultaneously.

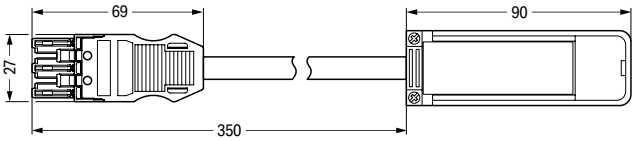
9

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Cable assembly

Color	Item No.	PU
black	896-233	1
white	896-234	1



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▶ *WINSTA*® IDC ▶ 895 Series
POWERBLOCK 10 ▶ for flat cable 5 x 10 mm² ▶ No. of poles: 5

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any location of the flat cable – one rotation per pole is all that is required

Electrical Data						
Main product function	**Supply module**			**Tap-off module**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	750 V	-	-	690 V	-	-
Rated impulse voltage	8 kV	-	-	8 kV	-	-
Rated current	57 A	-	-	32 A	-	-

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 30–70N (depending on number of poles)
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) PVC flat cable for temperatures -15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

9

Flat cables Page 504

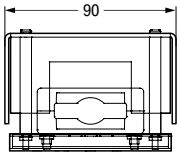
Additional information, see “Technical Section”

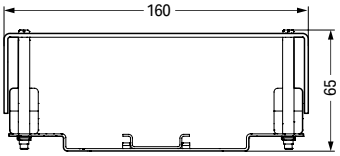
Approvals and corresponding ratings, visit www.wago.com

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
POWERBLOCK 10 ▸ for flat cable 5 x 10 mm² ▸ No. of poles: 5

Supply module

Color	Item No.	PU
◯ transparent	895-1051	1





Cut both sides of the flat cable insulation using a stripping knife (observe 30 mm of cutting length).

Cut off insulation via cutter.

Push end cover fully onto the conductor ends.

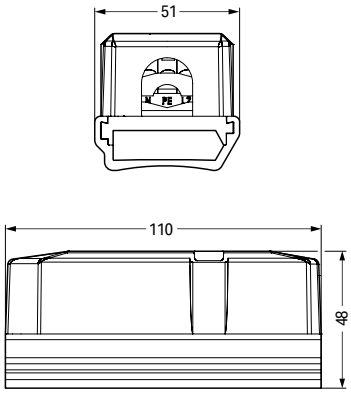
9

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▶ *WINSTA*® IDC ▶ 895 Series
POWERBLOCK 10 ▶ for flat cable 5 x 10 mm² ▶ No. of poles: 5

Tap-off module

Color	Item No.	PU
◯ transparent	895-1052	25



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▶ *WINSTA*® IDC ▶ 895 Series
POWERBLOCK 16 ▶ for flat cable 5 x 16 mm² ▶ No. of poles: 5

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any location of the flat cable – one rotation per pole is all that is required

Electrical Data						
Main product function	**Supply module**			**Tap-off module**		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	690 V	-	-	690 V	-	-
Rated impulse voltage	8 kV	-	-	8 kV	-	-
Rated current	76 A	-	-	41 A	-	-

Connection Data	
Connection technology	Screw clamp connection
Connection technology 2	IDC connection

Material Data	
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated

Mechanical Data	
Mating force of a plug-in connection	approx. 30–70N (depending on number of poles)
Unmating force of a plug-in connection	when unlocked: approx. 15–20N
Protection class	IP 20 without cable gland/filler plug IP 65 with cable gland/filler plug
Note on protection class	Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous service temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) PVC flat cable for temperatures -15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Flat cables Page 505

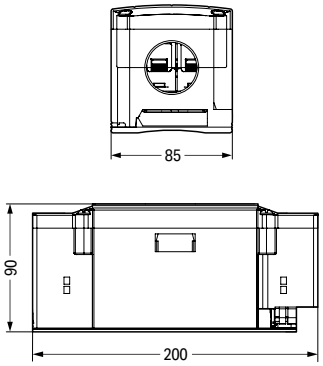
Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

Supply Module/Tap-Off Module ▶ *WINSTA*® IDC ▶ 895 Series
POWERBLOCK 16 ▶ for flat cable 5 x 16 mm² ▶ No. of poles: 5

Supply module

Color	Item No.	PU
black	895-1651	1

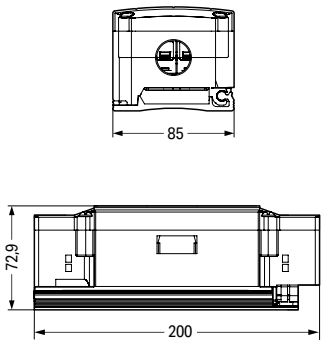


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply Module/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
POWERBLOCK 16 ▸ for flat cable 5 x 16 mm² ▸ No. of poles: 5

Tap-off module

Color	Item No.	PU
● black	895-1652	1

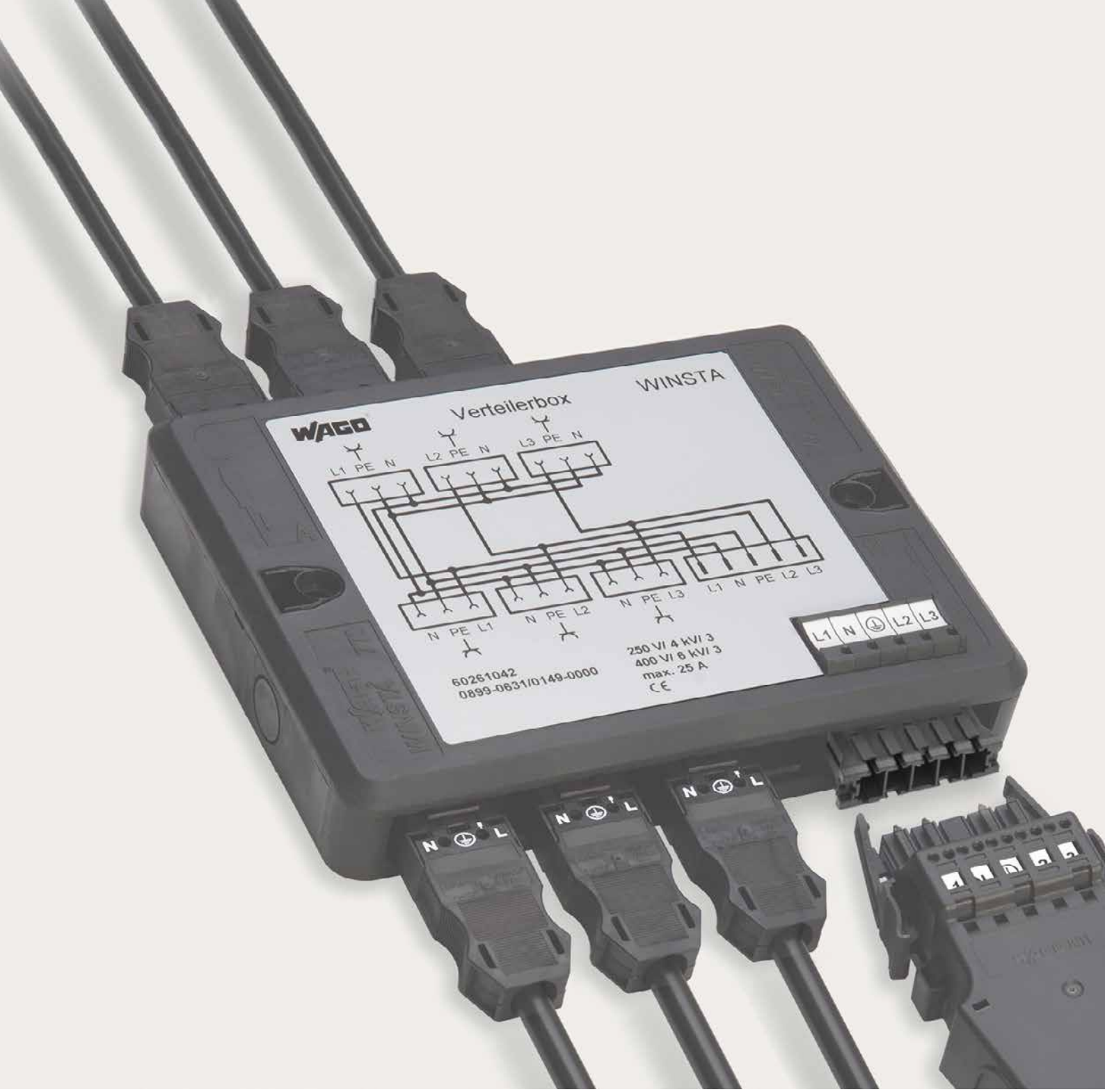


Tighten the screws to the stop to connect the flat cable (observe the tightening torque!)

Red contact clips confirm that the contacts are made correctly when they are flush with the terminals.

9

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm



WAGO Pluggable Connection System *WINSTA*® Boxes

WAGO Pluggable Connection System *WINSTA*® Boxes ▸ 899 Series

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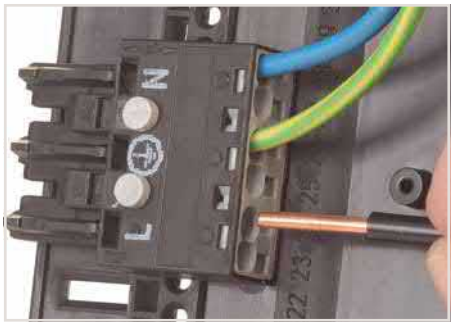
WINSTA® Boxes ▸ 899 Series
Description and Installation

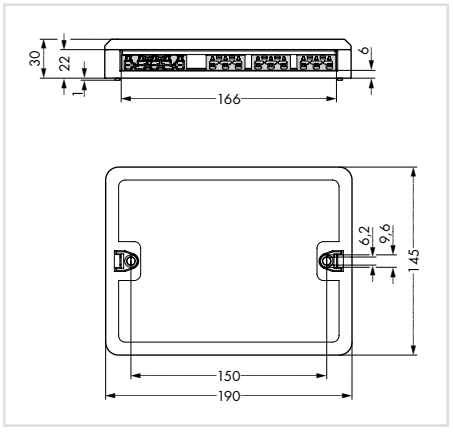
The set includes: 1 bottom, 1 lid, 2 sidewalls and 16 mounting pins.

Remove unrequired areas from the sidewalls.

Unassigned slots and spaces are closed by inserting a sidewall.



Using mounting pins to secure *WINSTA*® MIDI and *WINSTA*® MIDI special connectors in a distribution box .



Dimensions of a *WINSTA*® Distribution Box

Securing the mounting plate with WINSTA® Distribution Box to the wall (e.g., via stud gun).

Using adapters to install *WINSTA*® MINI and WINSTA® MINI special connectors in a distribution box.

Custom-made *WINSTA*® Distribution Box

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Single-Phase Current (230 V)

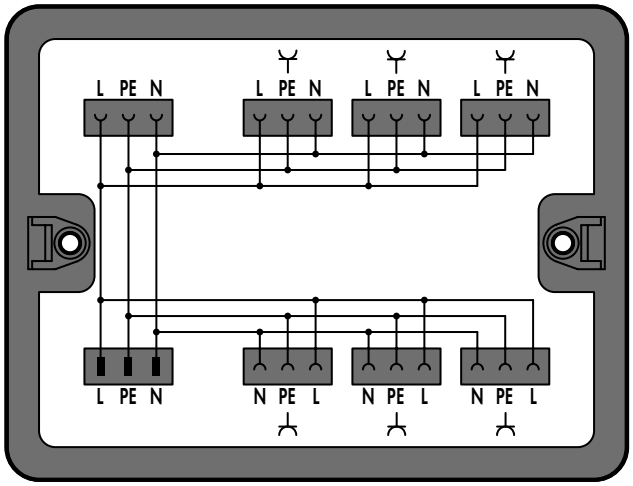
1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)

Color	Item No.	PU
● black	899-631/104-000	1

Distribution ▸ Single-Phase Current (230 V)

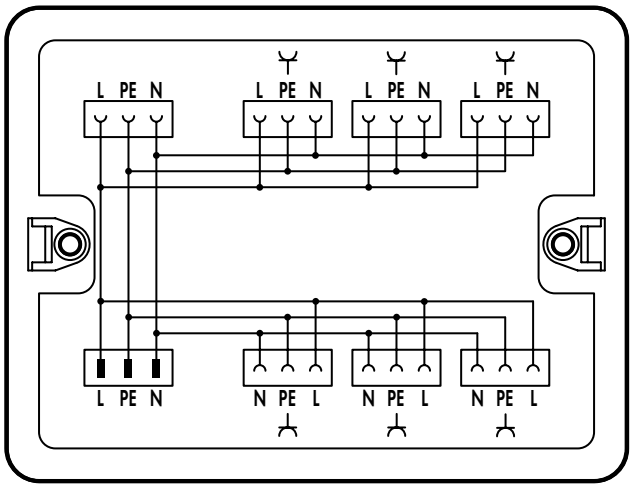
1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)

Color	Item No.	PU
○ white	899-681/104-000	1

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Additional information, see “Technical Section”
Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

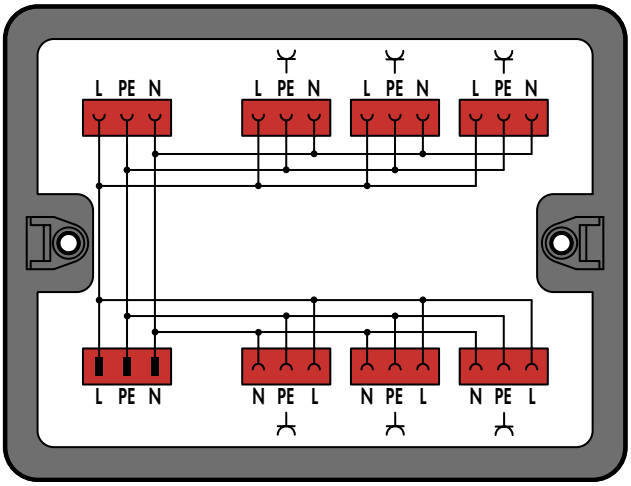
WINSTA® Boxes ▸ 899 Series

Distribution ▸ Single-Phase Current (230 V)

1 Input; 7 Outputs; P-Coding; *WINSTA*® MIDI

Description
This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



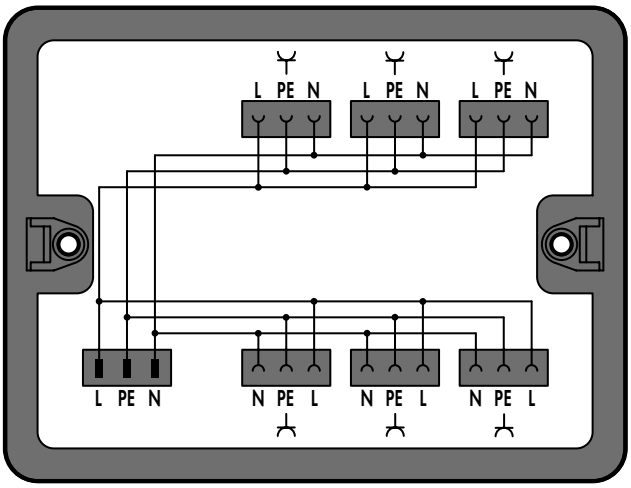
Distribution box; single-phase current (230 V)		
Color	Item No.	PU
● black	899-631/330-000	1

Distribution ▸ Single-Phase Current (230 V)

1 Input; 6 Outputs; A-Coding; WINSTA® MIDI

Description
This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	PU
● black	899-631/140-000	1

10

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Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

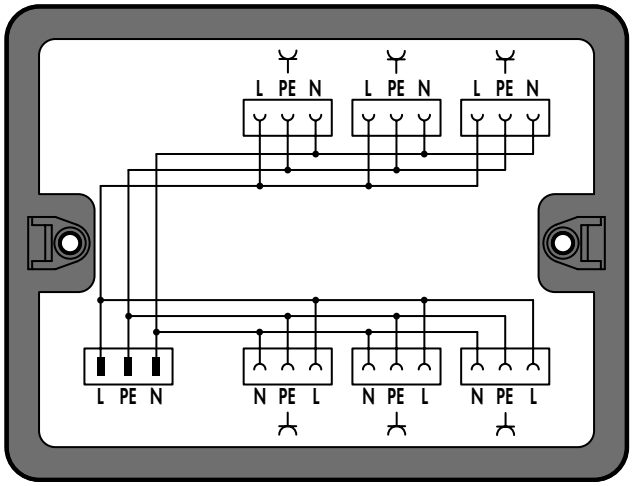
WINSTA® Boxes ▸ 899 Series

Distribution ▸ Single-Phase Current (230 V)

1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

Description
This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



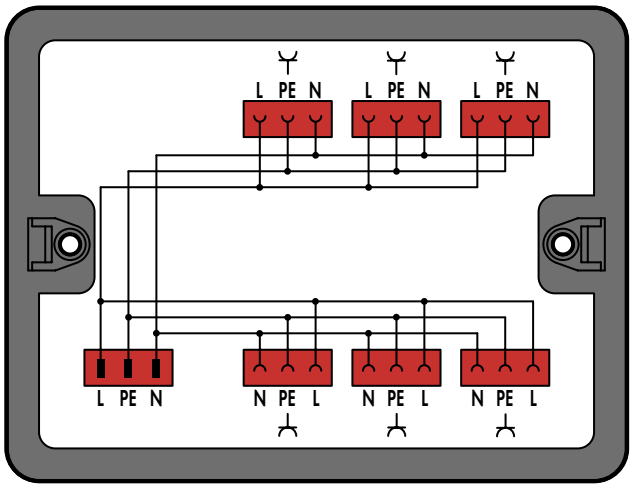
Distribution box; single-phase current (230 V)		
Color	Item No.	PU
● black	899-631/395-000	1

Distribution ▸ Single-Phase Current (230 V)

1 Input; 6 Outputs; P-Coding; *WINSTA*® MIDI

Description
This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	PU
● black	899-631/331-000	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Single-Phase Current (230 V)

1 Input; 13 Outputs; A-Coding; *WINSTA*® MIDI

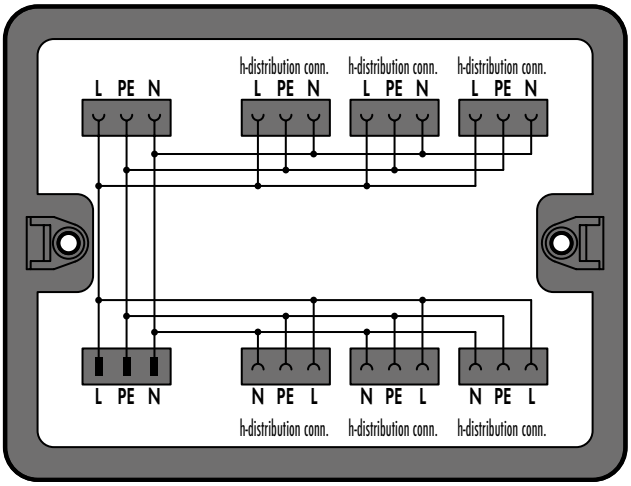
Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Includes: Six 770-634 h-Distribution Connectors

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	PU
● black	899-631/334-000	1

Distribution ▸ Single-Phase Current (230 V)

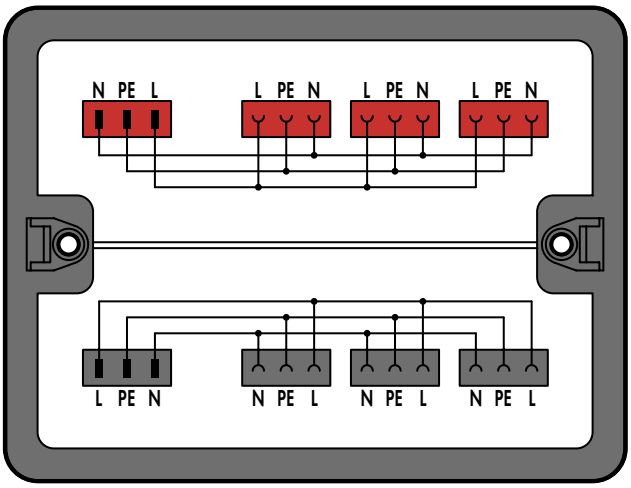
2 Circuits; A+P-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features two different 3-pole, single-phase circuits (e.g., for general power, EDP outlets, and UPS systems). Both networks are provided with differently encoded connectors. Three-pole connecting cables are provided for both power input and output.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Verteilerbox; Wechselstrom (230 V)		
Color	Item No.	PU
● black	899-631/311-000	1

Mounting Page 498

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

10

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Single-Phase Current (230 V)

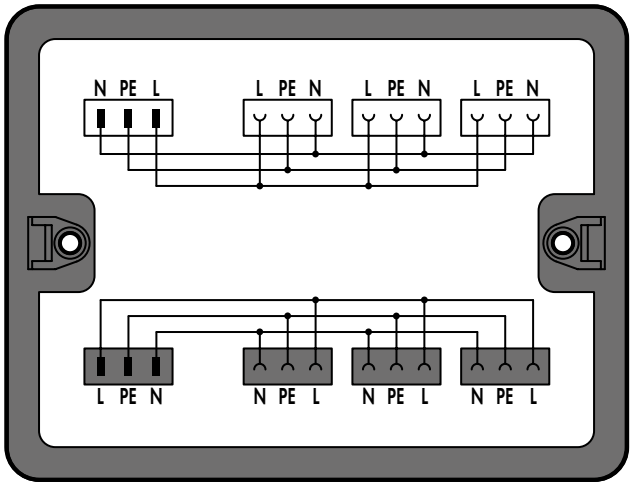
2 Circuits; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features two different 3-pole, single-phase circuits (e.g., for general power, EDP outlets, and UPS systems). Both networks are provided with differently encoded connectors. Three-pole connecting cables are provided for both power input and output.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)

Color	Item No.	PU
● black	899-631/327-000	1

Distribution ▸ Three-Phase Current (400 V)

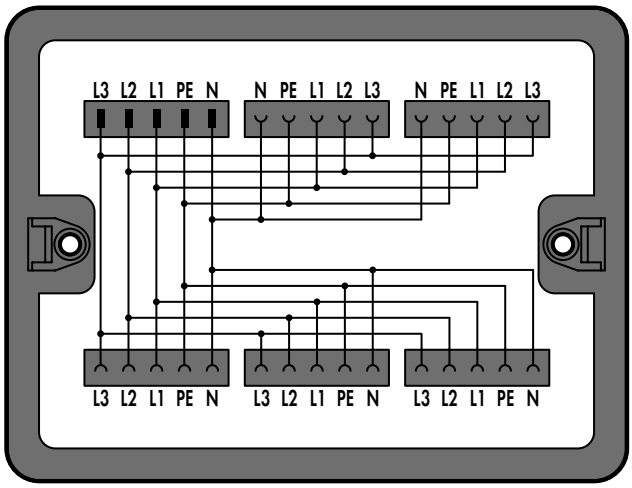
1 Input; 5 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 5-pole, three-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase current (400 V)

Color	Item No.	PU
● black	899-631/187-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Three-Phase Current (400 V)

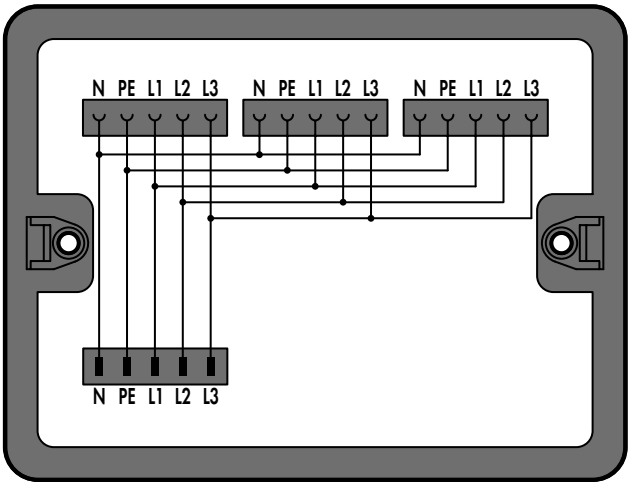
1 Input; 3 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 5-pole, three-phase cable.

Technical Data

Rated voltage (III / 3)	400 V
Rated surge voltage (III / 3)	6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase current (400 V)		
Color	Item No.	PU
● black	899-631/341-000	1

Distribution ▸ Three-Phase Current (400 V)

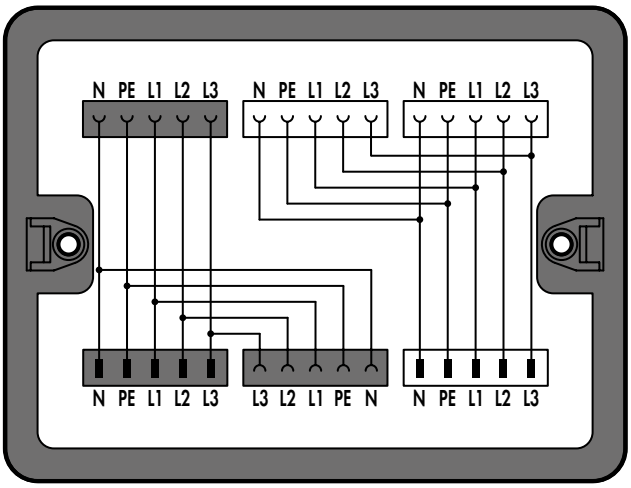
2 Circuits; 1 Input (Each); 2 Outputs (Each); A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features two different 5-pole, three-phase circuits for both general and uninterruptible power supply in raised-floor boxes. Power supply is performed using a 5-pole connector. For example, both circuits can be clearly identified using black and white connectors or cables.

Technical Data

Rated voltage (III / 3)	400 V
Rated surge voltage (III / 3)	6 kV
Rated current	20 A
Internal wiring	2.5 mm² halogen free



Distribution box; three-phase current (400 V)		
Color	Item No.	PU
● black	899-631/312-000	1

Mounting Page 498

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

10

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

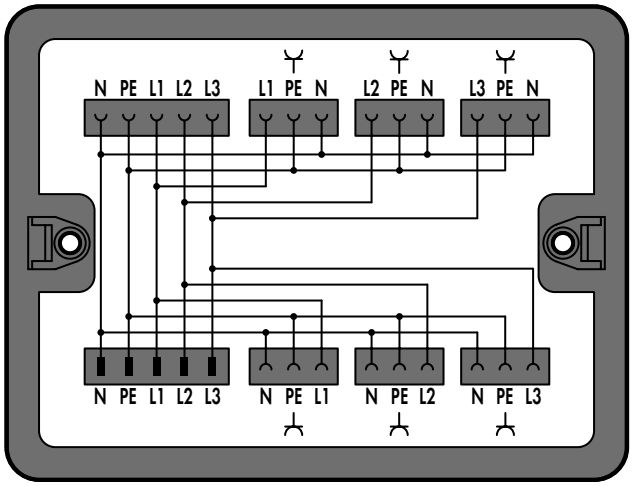
Through Wiring (5-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

Description

The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
● black	899-631/100-000	1

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

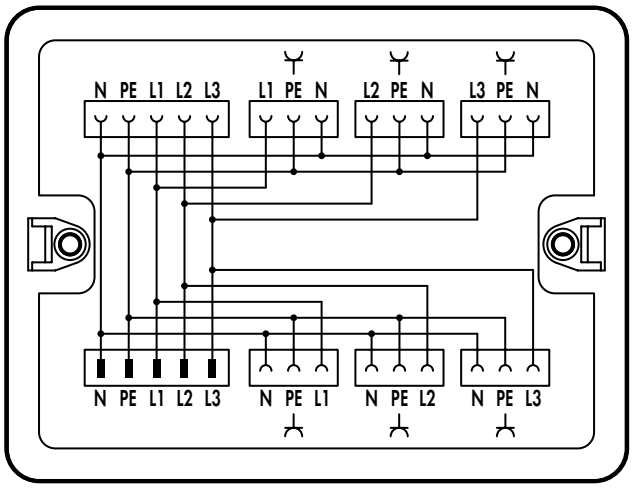
Through Wiring (5-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

Description

The phases L1, L2 and L3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
○ white	899-681/100-000	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

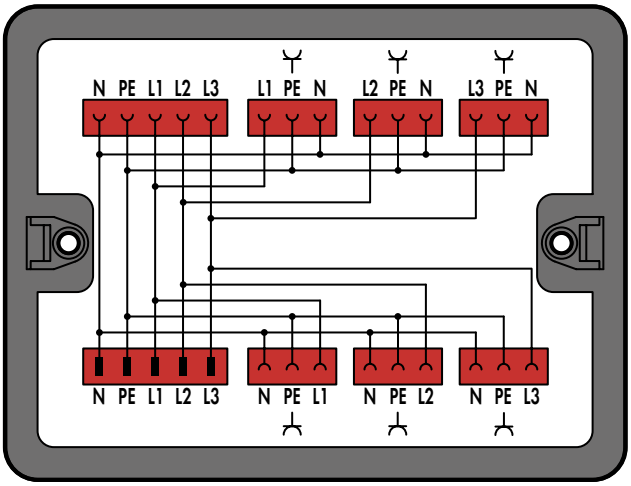
Through Wiring (5-Pole); 6 Outputs (3-Pole); P-Coding; *WINSTA*® MIDI

Description

The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
● black	899-631/186-000	1

Distribution ▸ Three-Phase Current (400 V)

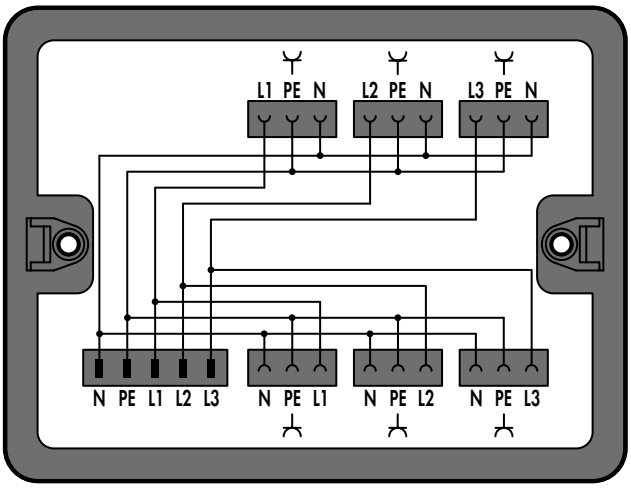
1 Input (5-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

Description

The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
● black	899-631/105-000	1

Mounting Page 498

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

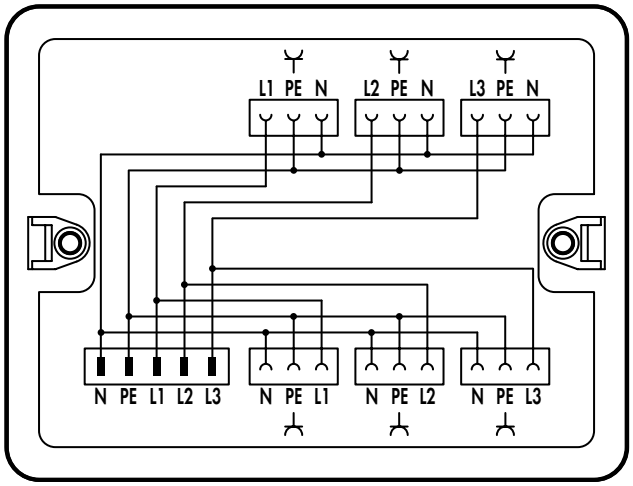
1 Input (5-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

Description

The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
○ white	899-681/105-000	1

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

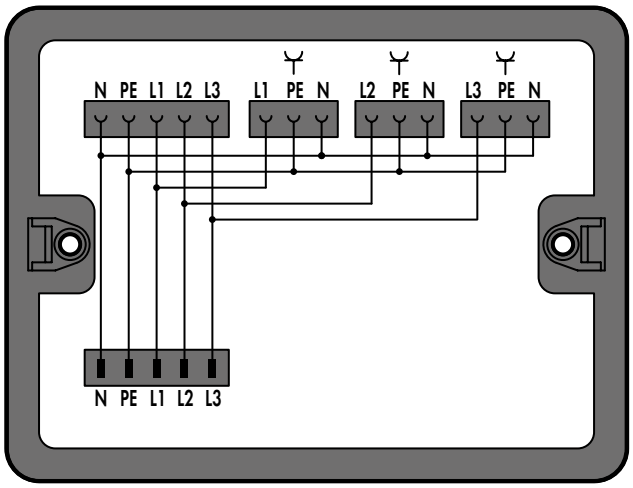
Through Wiring (5-Pole); 3 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

Description

The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
● black	899-631/346-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

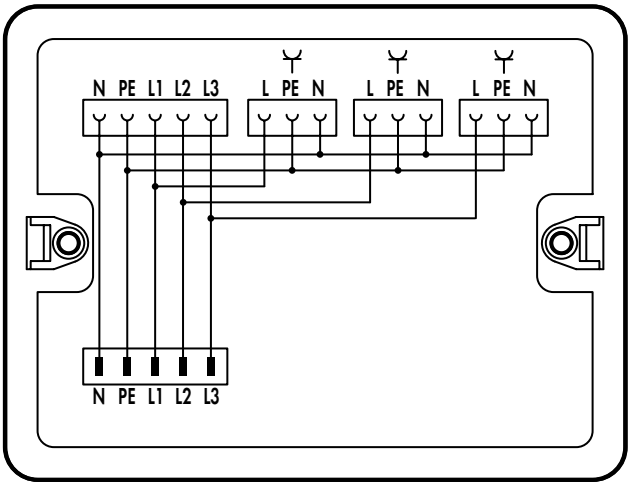
Through Wiring (5-Pole); 3 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

Description

The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	20 A
Internal wiring	2.5 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
○ white	899-681/142-000	1

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

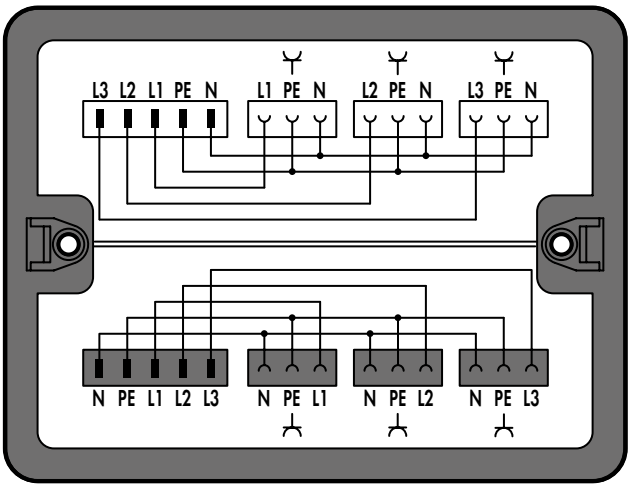
2 Circuits; 1 Input (Each); 3 Outputs (Each); A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box divides two 3-phase circuits into three single-phase circuits each (e.g., 230 V and EDP outlets).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
● black	899-631/349-000	1

Mounting	Page 498
Additional information, see "Technical Section"	
Approvals and corresponding ratings, visit www.wago.com	

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

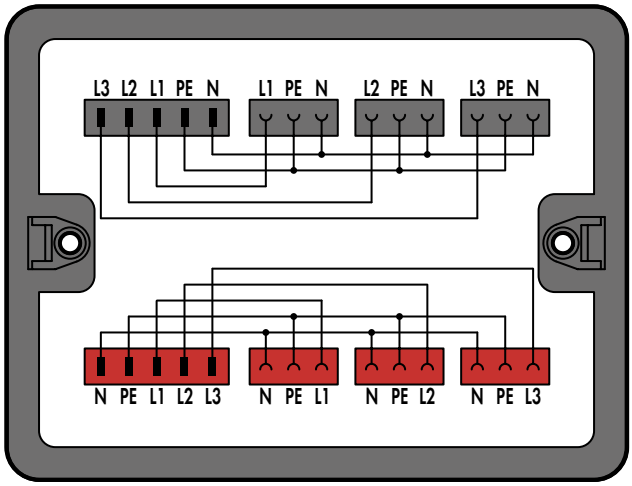
2 Circuits; 1 Input (Each); 3 Outputs (Each); A+P-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box divides two 3-phase circuits into three single-phase circuits each (e.g., 230 V and EDP outlets).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)

Color	Item No.	PU
● black	899-631/302-000	1

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

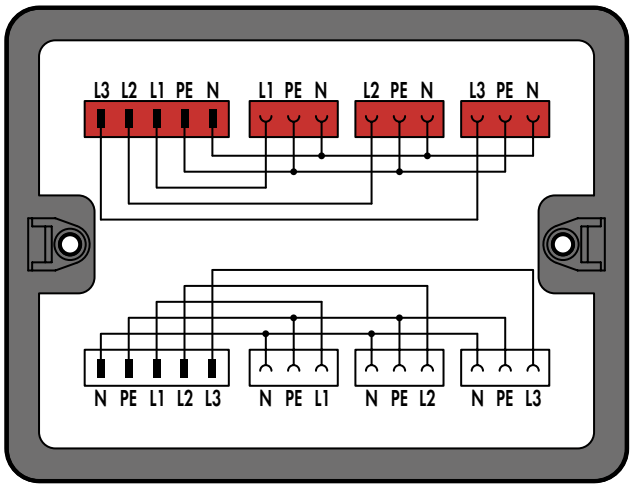
2 Circuits; 1 Input (Each); 3 Outputs (Each); A+P-Coding; WINSTA® MIDI

Description

This *WINSTA*® Distribution Box divides two 3-phase circuits into three single-phase circuits each (e.g., 230 V and EDP outlets).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)

Color	Item No.	PU
● black	899-631/350-000	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Serie

Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

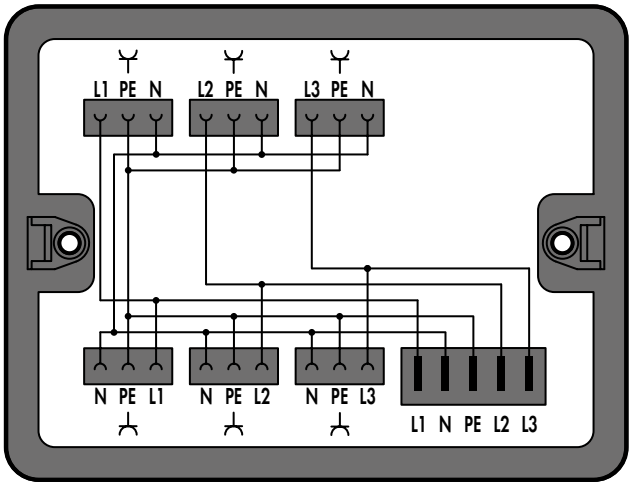
1 Input (5-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI; *WINSTA*® MAXI

Description

This *WINSTA*® Distribution Box divides a 3-phase circuit into three single-phase circuits with two outputs each. Power supply is performed via 6 mm² cable equipped with a *WINSTA*® MAXI Connector.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	PU
● black	899-631/149-000	1

Supply Cable Entry ▸ Distribution ▸ Three-Phase to Single-Phase Current (400 V/230 V)

1 Input (Terminal Strip; 5-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

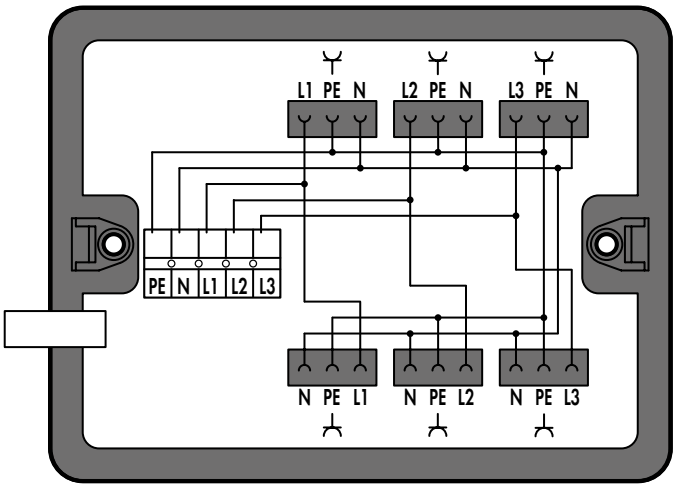
Description

Power supply is performed via standard 5-pole terminal strip. The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Includes: One cable clamp and two mounting screws

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; supply cable entry; three-phase to single-phase current (400 V/230 V)		
Color	Item No.	PU
● black	899-631/338-000	1

Mounting	Page 498
Additional information, see "Technical Section"	
Approvals and corresponding ratings, visit www.wago.com	

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

10

WINSTA® Boxes ▸ 899 Series

Supply Cable Entry ▸ Distribution ▸ Three-Phase to Single-Phase Current (400 V / 230 V)

1 Input (Terminal Strip; 5-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

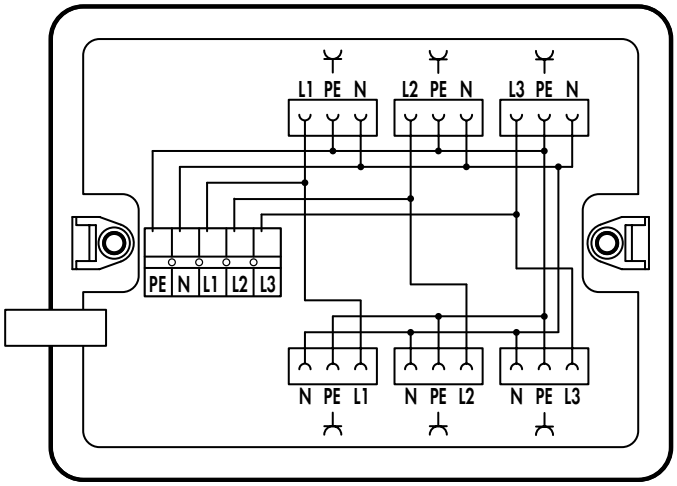
Description

Power supply is performed via standard 5-pole terminal strip. The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Includes: One cable clamp and two mounting screws

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; supply cable entry; three-phase to single-phase current (400 V/230 V)

Color	Item No.	PU
○ white	899-681/123-000	1

Supply Cable Entry ▸ Distribution ▸ Three-Phase to Single-Phase Current (400 V/230 V)

1 Input (Terminal Strip; 5-Pole); 6 Outputs (3-Pole); P-Coding; *WINSTA*® MIDI

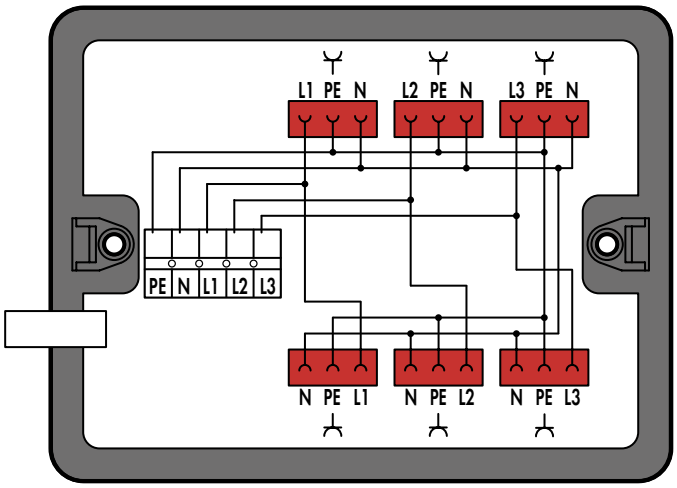
Description

Power supply is performed via standard 5-pole terminal strip. The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with two outputs each.

Includes: One cable clamp and two mounting screws

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; supply cable entry; three-phase to single-phase current (400 V/230 V)

Color	Item No.	PU
● black	899-631/339-000	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Supply Cable Entry ▸ Three Networks

Power Supply (7-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

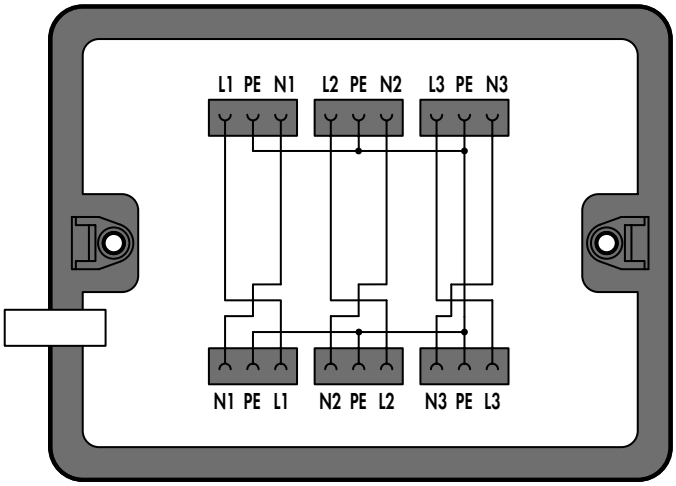
Description

Power supply is performed directly via connectors using a 7-pole cable. Each phase of the 3-phase current are divided into two outputs.
Power supply is performed to the left or to the right.

Includes: Two cable clamps and four mounting screws

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; supply cable entry; three networks

Color	Item No.	PU
● black	899-631/450-000	1

Supply Cable Entry ▸ Three Networks

Power Supply (7-Pole); 6 Outputs (3-Pole); A-Coding; *WINSTA*® MIDI

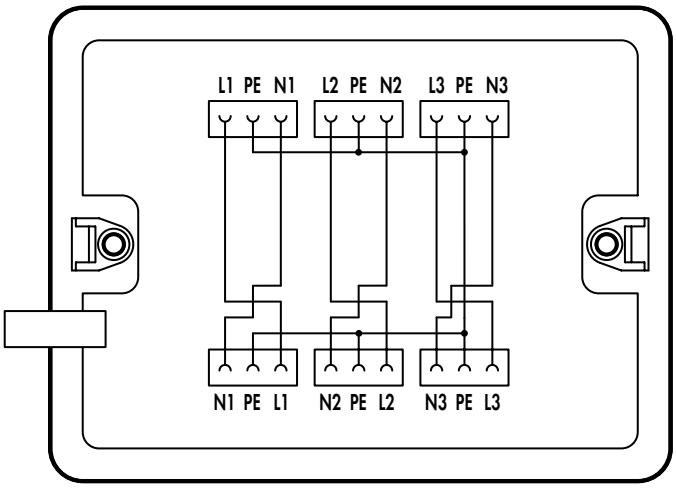
Description

Power supply is performed directly via connectors using a 7-pole cable. Each phase of the 3-phase current are divided into two outputs.
Power supply is performed to the left or to the right.

Includes: Two cable clamps and four mounting screws

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; supply cable entry; three networks

Color	Item No.	PU
○ white	899-681/450-000	1

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Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

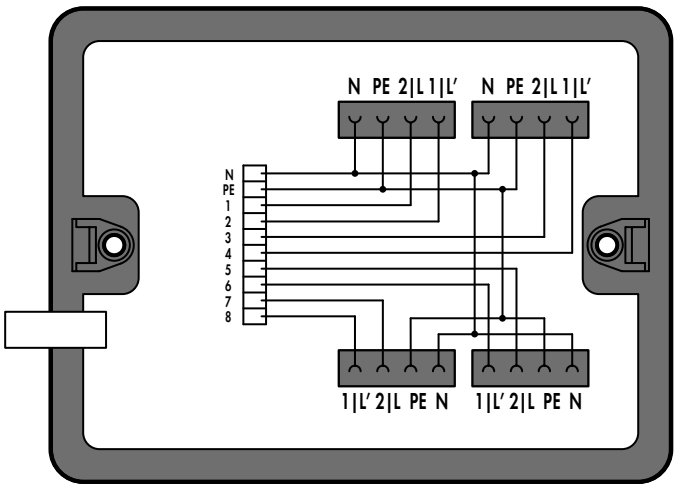
WINSTA® Boxes ▸ 899 Series

Supply Cable Entry

Power Supply (10-Pole); 4 Outputs (4-Pole); A-Coding; *WINSTA*® MIDI

Description
Power supply is performed via 10-pole cable on a terminal strip. Application example: Blind drives control Includes: One cable clamp and two mounting screws

Technical Data	
Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	16 A
Internal wiring	1.5 mm²



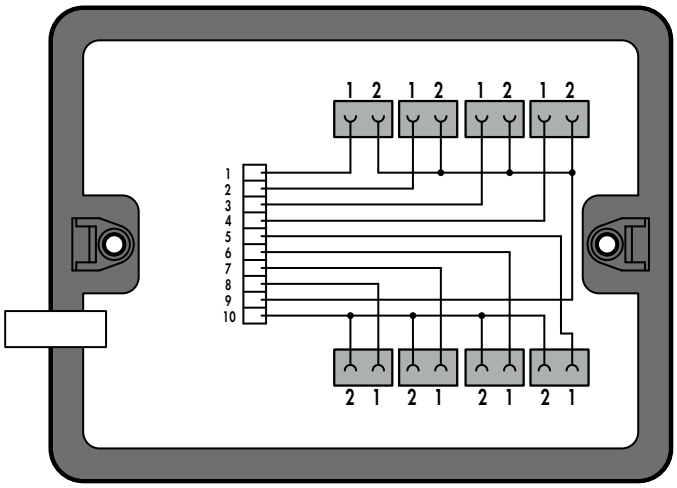
Distribution box; supply cable entry		
Color	Item No.	PU
● black	899-631/453-000	1

Supply Cable Entry

Power Supply (10-Pole); 8 Outputs (2-Pole); B-Coding; WINSTA® MIDI special

Description
Power supply is performed via 10-pole cable on a terminal strip. Application example: Valves control Includes: One cable clamp and two mounting screws

Technical Data	
Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	6 A
Internal wiring	0.75 mm²



Distribution box; supply cable entry		
Color	Item No.	PU
● black	899-631/454-000	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ 230 V + DALI

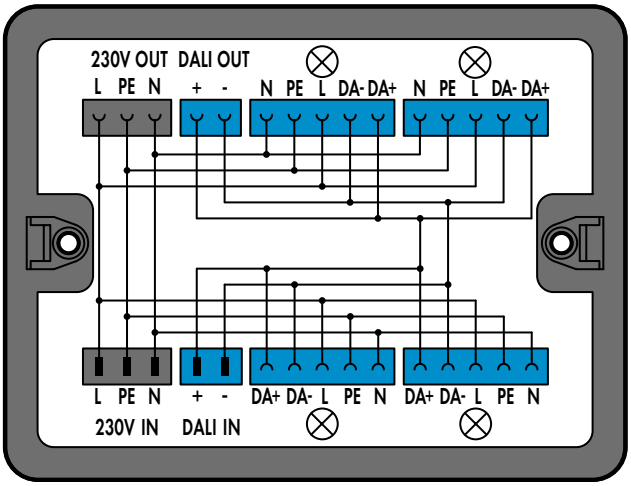
2 Inputs; 6 Outputs; A+I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box connects to 5-pole DALI lights. Power supply is performed via two cables (230 V and DALI). Both cables are combined into four outputs.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A / 16 A
Internal wiring	4 mm² / 1.5 mm²



Distribution box; distribution; 230 V + DALI		
Color	Item No.	PU
● black	899-631/181-000	1

Distribution ▸ 400 V + DALI

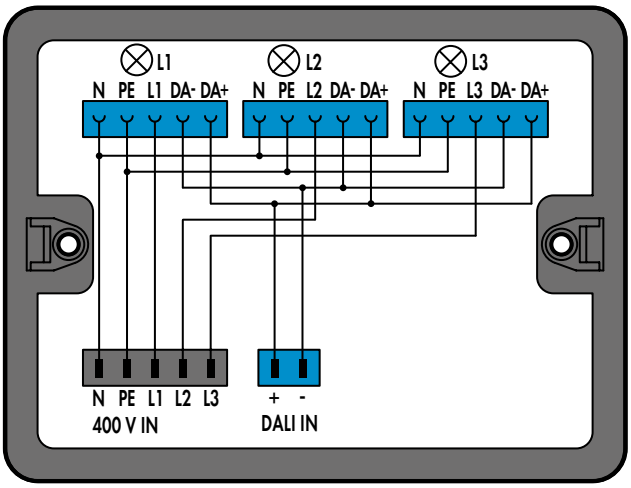
2 Inputs; 6 Outputs; A+I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box combines the L_1, L_2 and L_3 phases of the 3-phase current with the DALI signal (separate cable).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A / 16 A
Internal wiring	4 mm² / 1.5 mm²



Distribution box; distribution; 400 V + DALI		
Color	Item No.	PU
● black	899-631/354-000	1

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Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

10

WINSTA® Boxes ▸ 899 Series

Distribution ▸ 230 V + DALI

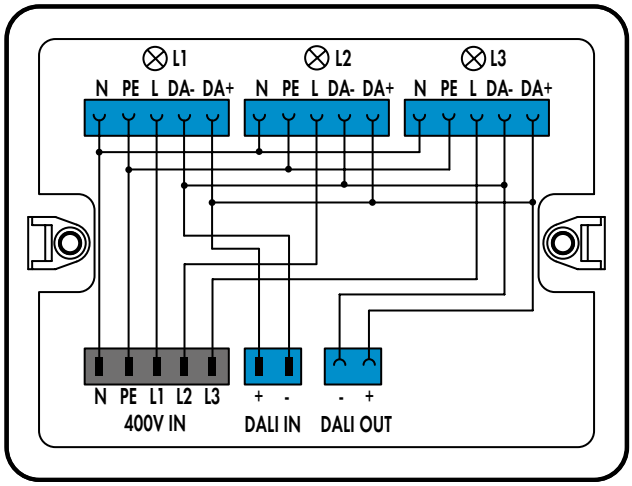
2 Inputs; 4 Outputs; (A+I)-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box combines the L_1, L_2 and L_3 phases of the 3-phase current with the DALI signal (separate cable).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	25 A / 16 A
Internal wiring	4 mm² / 1.5 mm²



Distribution box; distribution; 400 V + DALI		
Color	Item No.	PU
○ white	899-681/129-000	1

Distribution ▸ 400 V + DALI

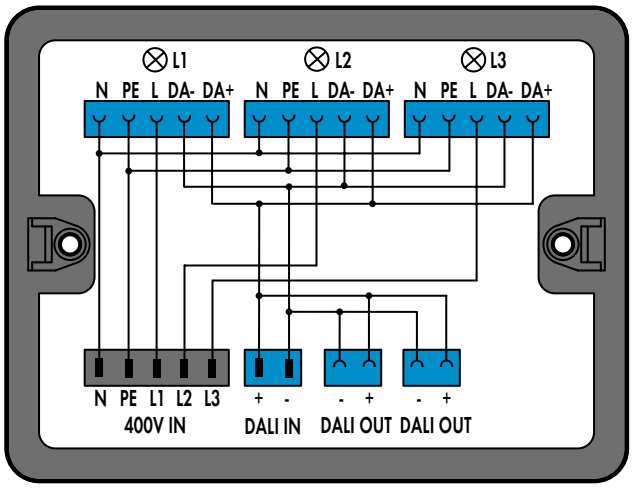
2 Inputs; 5 Outputs; A+I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box combines the L_1, L_2 and L_3 phases of the 3-phase current with the DALI signal (separate cable).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated surge voltage (III / 3)	4 kV / 6 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm²



Distribution box; distribution; 400 V + DALI		
Color	Item No.	PU
● black	899-631/455-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Serie

Distribution ▸ 230 V + DALI

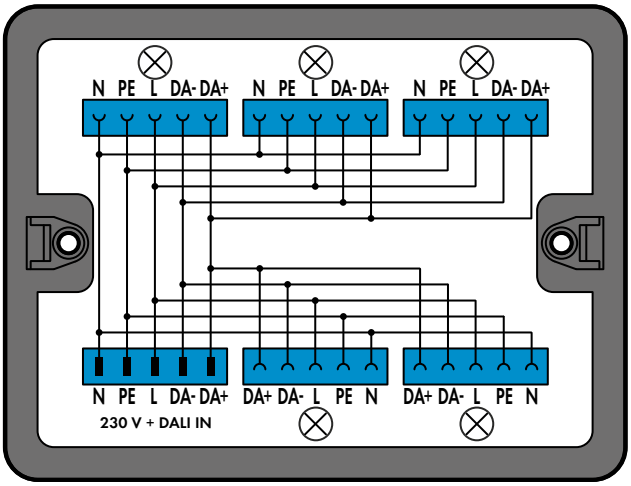
1 Input; 5 Outputs; I-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box connects to 5-pole DALI lights.
Both 230 V power supply and DALI bus for light scene control are combined into a single line.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	20 A
Internal wiring	2.5 mm²



Distribution box; distribution; 230 V + DALI		
Color	Item No.	PU
● black	899-631/313-000	1

Distribution ▸ 230 V + DALI

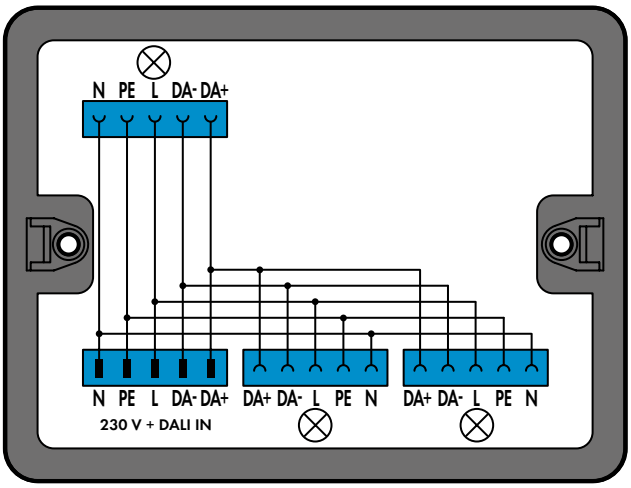
1 Input; 3 Outputs; I-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box connects to three DALI lights.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	20 A
Internal wiring	2.5 mm²



Distribution box; distribution; 230 V + DALI		
Color	Item No.	PU
● black	899-631/319-000	1

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Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ 230 V + SMI

2 Inputs; 6 Outputs; A+B-Coding

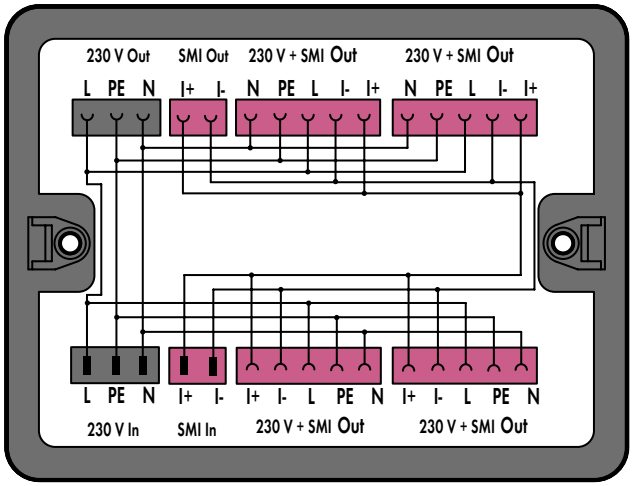
Description

This *WINSTA*® Distribution Box combines the L_1, L_2 and L_3 phases of the 3-phase current with the DALI signal (separate cable).

WINSTA® MINI special
WINSTA® MIDI
WINSTA® MIDI special

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A / 16 A
Internal wiring	4 mm² / 1.5 mm²



Distribution box; distribution; 230 V + SMI		
Color	Item No.	PU
● black	899-631/405-000	1

Distribution ▸ 230 V + SMI

2 Inputs; 5 Outputs; A+B-Coding

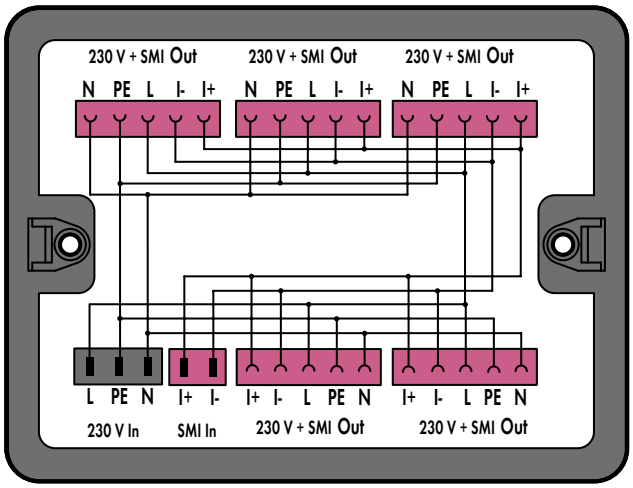
Description

This *WINSTA*® Distribution Box connects to 5-pole SMI drives. Power supply is performed via two cables (230 V and SMI). Both cables are combined into four outputs.

WINSTA® MINI special
WINSTA® MIDI
WINSTA® MIDI special

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm²



Distribution box; distribution; 230 V + SMI		
Color	Item No.	PU
● black	899-631/444-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Distribution ▸ 230 V + SMI

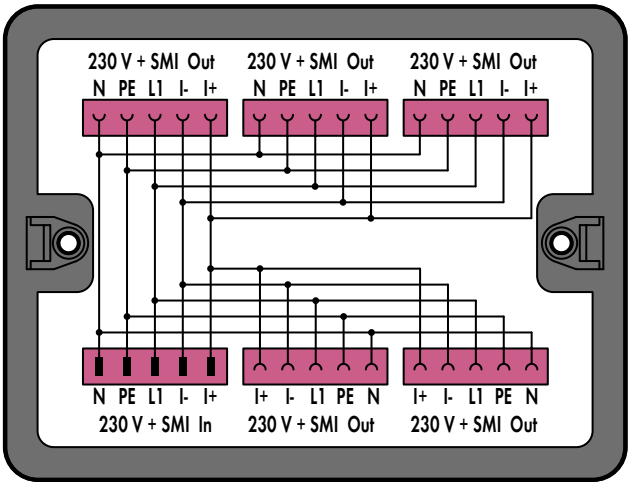
1 Input; 5 Outputs; B-Coding; WINSTA® MIDI special

Description

This *WINSTA*® Distribution Box connects to 5-pole SMI drives; 230 V power supply and SMI signal are combined into a single line.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm²



Distribution box; distribution; 230 V + SMI		
Color	Item No.	PU
● black	899-631/421-000	1

Motion and Presence Detectors ▸ ESYLUX

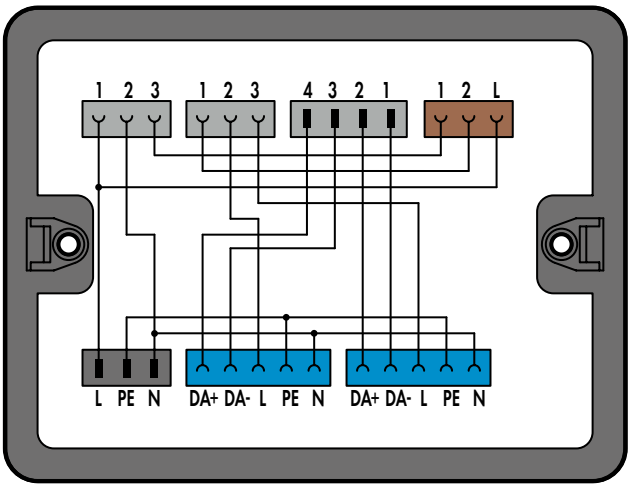
2 Inputs; 5 Outputs; A-, B-, I-, S-Coding; *WINSTA*® MINI

Description

This *WINSTA*® Distribution Box connects to ESYLUX presence detectors.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	20 A
Internal wiring	2.5 mm²



Distribution box; motion and presence detectors; ESYLUX		
Color	Item No.	PU
● black	899-631/442-000	1

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Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

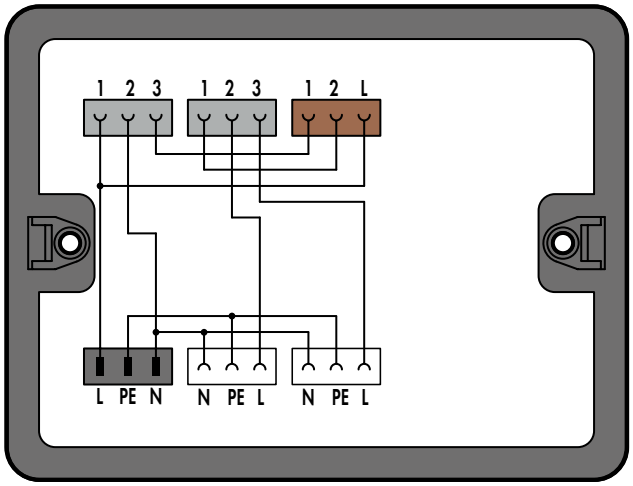
WINSTA® Boxes ▸ 899 Series

Motion and Presence Detectors ▸ ESYLUX

1 Input; 5 Outputs; A-, B-, S-Coding; *WINSTA*® MIDI

Description
This *WINSTA*® Distribution Box connects to ESYLUX presence detectors.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	20 A
Internal wiring	2.5 mm²



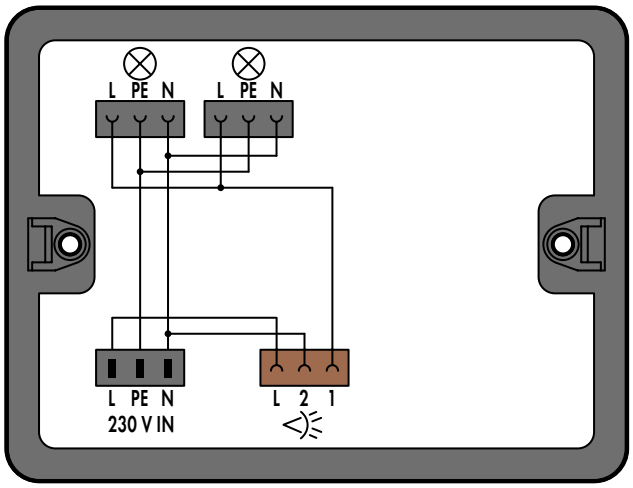
Distribution box; motion and presence detectors; ESYLUX		
Color	Item No.	PU
● black	899-631/443-000	1

Motion and Presence Detectors

1 Input; 2 Lights; 1 Motion Detector; A+S-Coding ; *WINSTA*® MIDI

Description
This *WINSTA*® Distribution Box connects to one motion detector and two lights.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; motion and presence detectors		
Color	Item No.	PU
● black	899-631/309-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Motion and Presence Detectors

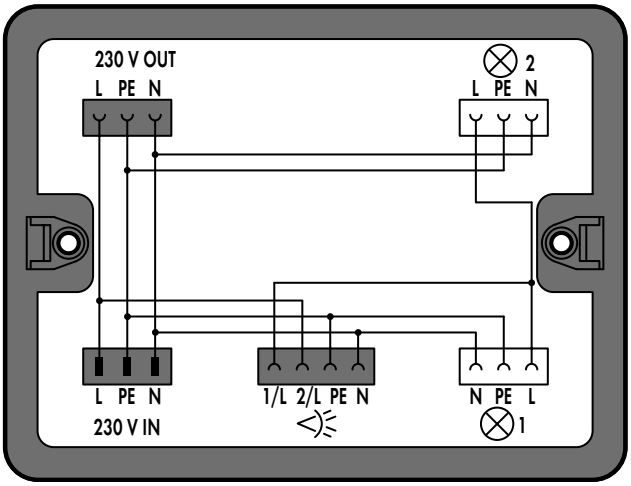
Through Wiring (3-Pole); 2 Lights; 1 Motion Detector; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box connects to one motion detector and two lights.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; motion and presence detectors		
Color	Item No.	PU
● black	899-631/374-000	1

Motion and Presence Detectors

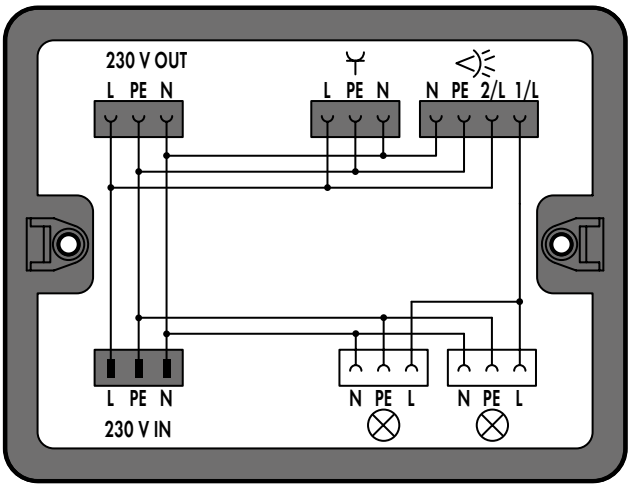
Through Wiring (3-Pole); 2 Lights; 1 Motion Detector; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box connects to one motion detector, two lights and one outlet.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; motion and presence detectors		
Color	Item No.	PU
● black	899-631/180-000	1

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Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

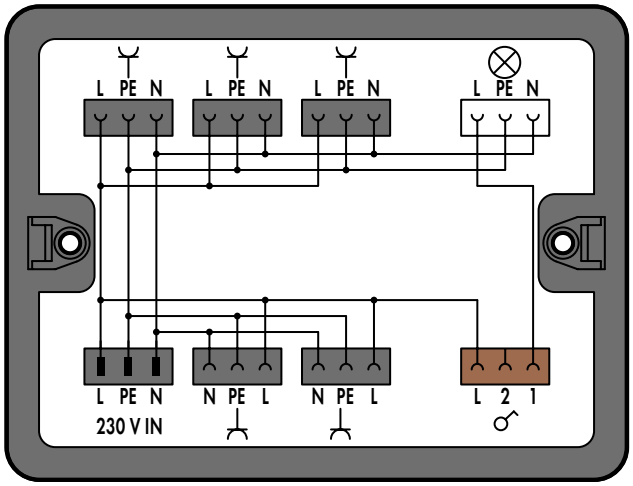
WINSTA® Boxes ▸ 899 Series

On/Off Switching

1 Input; 5 Outputs; 1 Light; 1 Switch; A+S-Coding; *WINSTA*® MIDI

Description
This *WINSTA*® Box features one on/off switch for five power outlets and one light.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



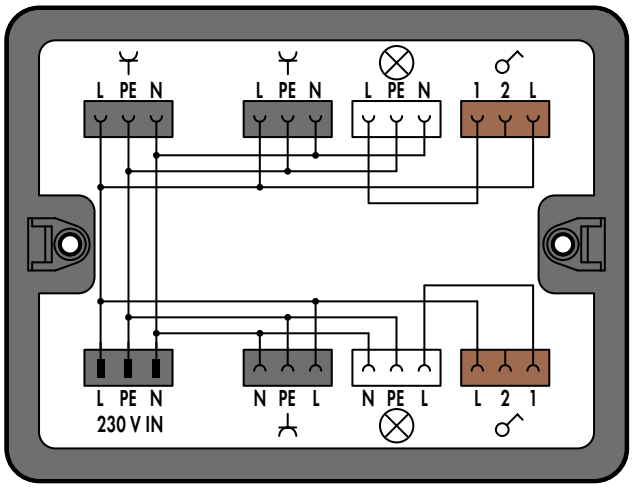
Distribution box; on/off switching		
Color	Item No.	PU
● black	899-631/304-000	1

On/Off Switching

1 Input; 3 Outputs; 2 Lights; 2 Switches; A+S-Coding ; *WINSTA*® MIDI

Description
This *WINSTA*® Distribution Box features two on/off switches for three power outlets and two lights.

Technical Data	
Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; on/off switching		
Color	Item No.	PU
● black	899-631/123-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

On/Off Switching

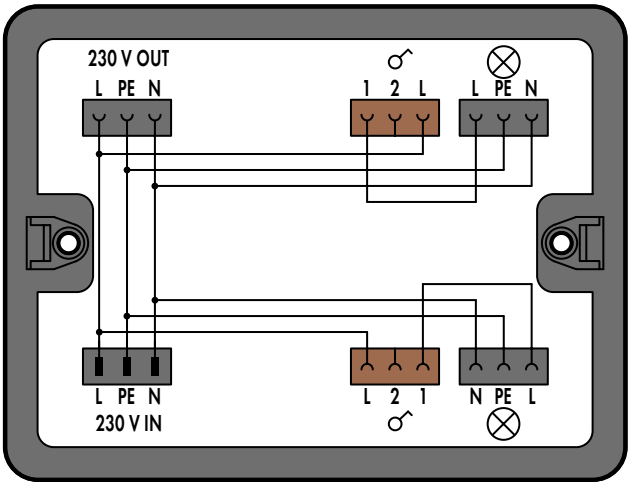
1 Input; 1 Output; 2 Lights; 2 Switches; A+S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features two on/off switches for one light each.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; on/off switching		
Color	Item No.	PU
● black	899-631/363-000	1

Series Switching

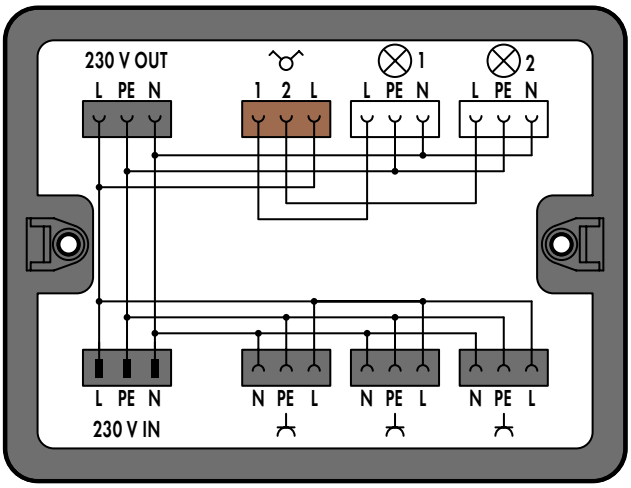
1 Input; 4 Outputs; 2 Lights; 1 Switch; A+S-Coding ; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features one series switch and is designed for through wiring and outlet connections.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; series switching		
Color	Item No.	PU
● black	899-631/130-000	1

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Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Series Switching

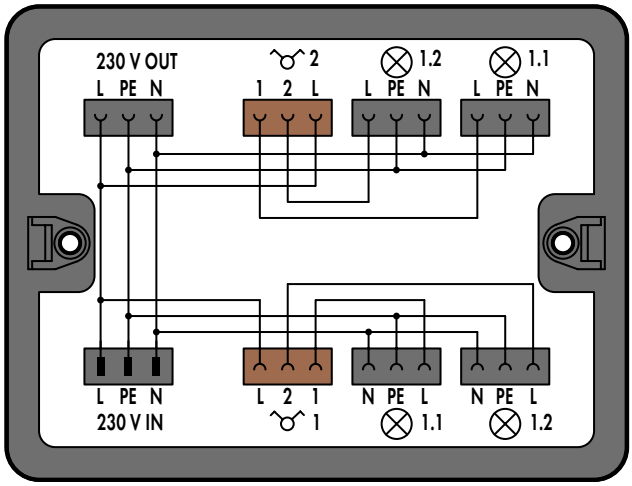
1 Input; 1 Output; 4 Lights; 2 Switches; A+S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features two series switches with pluggable connectors.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; series switching		
Color	Item No.	PU
● black	899-631/386-000	1

Changeover Switching

1 Input; 3 Outputs; 2 Lights; 2 Switches; A+S-Coding ; *WINSTA*® MIDI

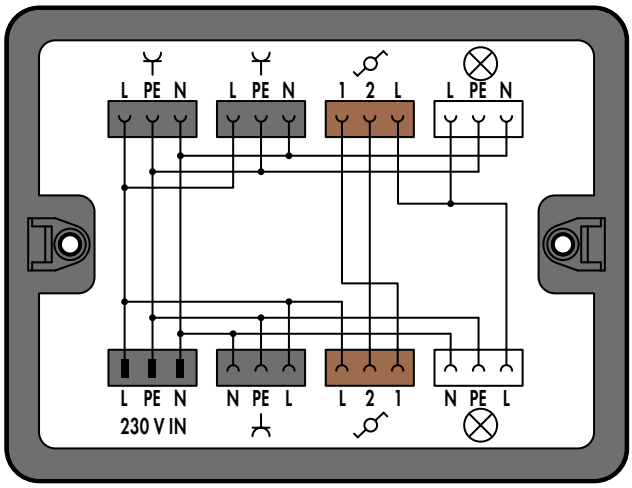
Description

This *WINSTA*® Distribution Box features two changeover switches and connects to three power outlets.

The distribution box is fitted on the 770-680 Mounting Plate.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; on/off switching		
Color	Item No.	PU
● black	899-631/189-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Changeover Switching

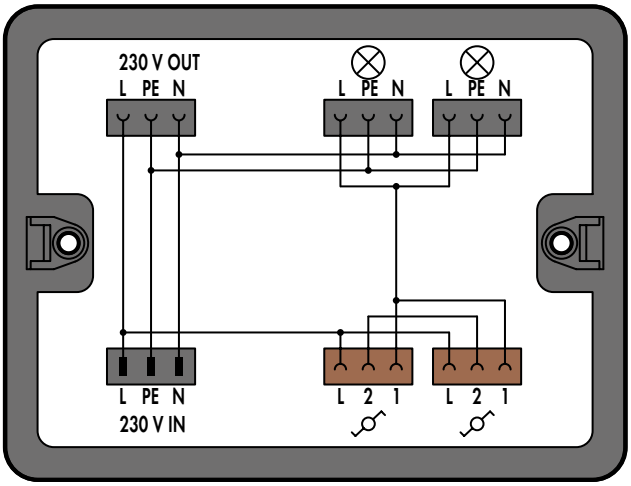
1 Input; 1 Output; 2 Lights; 2 Switches; A+S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features two economy changeover switches for two lights.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; changeover switching		
Color	Item No.	PU
● black	899-631/308-000	1

Crossover Switching

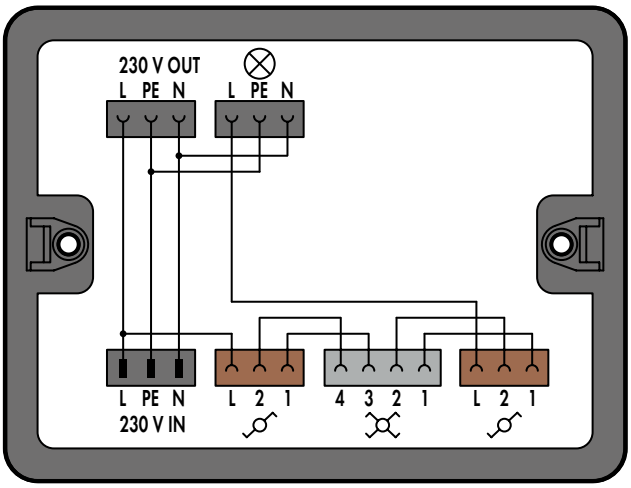
1 Input; 1 Output; 1 Light; 3 Switches; A+B+S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features one crossover switch.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; crossover switching		
Color	Item No.	PU
● black	899-631/305-000	1

Mounting Page 498

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

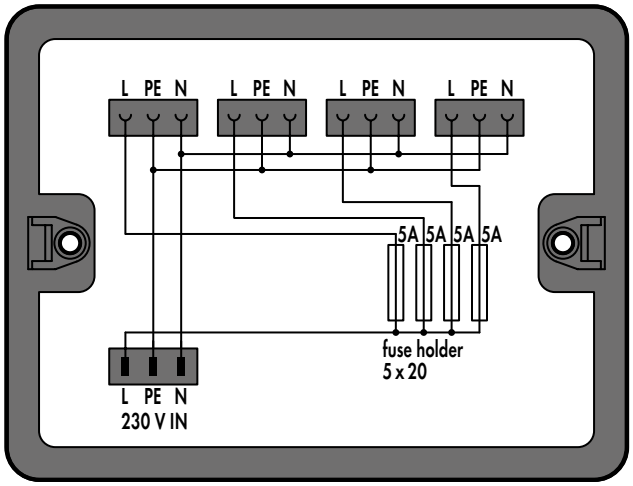
WINSTA® Boxes ▸ 899 Series
Cable and Device Protection
1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box protects four components within a device (5 x 20 mm fuse holder).
Power supply is performed using a 3-pole connecting cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	5 A
Internal wiring	2.5 mm²



Distribution box; series switching

Color	Item No.	PU
● black	899-631/315-000	1

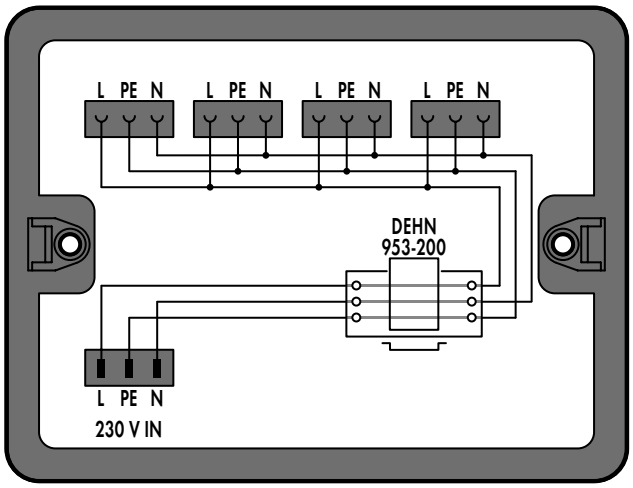
Surge Protection (Type 3)
1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box is equipped with a "Type 3" surge suppression device (DEHN 953 200) allowing four 3-pole pluggable outputs to be protected.
Power supply is performed using a 3-pole connecting cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	20 A
Internal wiring	2.5 mm²



Distribution box; surge protection (type 3)

Color	Item No.	PU
● black	899-632/182-000	1

10

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series

Switching with Latching Relay

1 Input; 1 Light; 3 Push-Buttons; A+S-Coding; *WINSTA*® MIDI

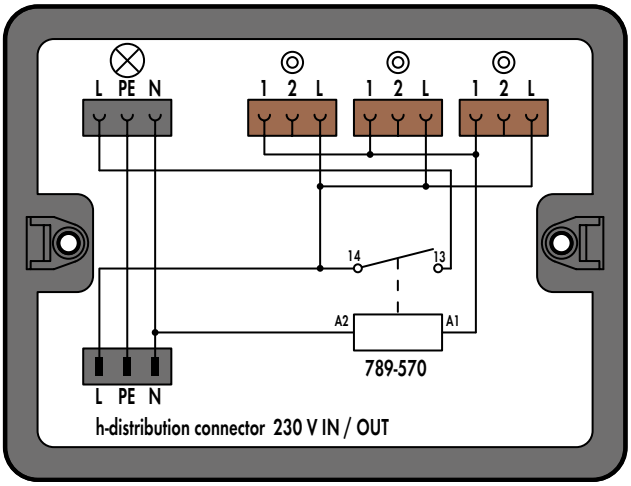
Description

This *WINSTA*® Distribution Box features one latching relay (three push-buttons, one light). Power supply (230 V, through wiring) is performed using the provided h-distribution connector.

Includes: One 770-633 h-Distribution Connector

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	16 A
Internal wiring	2.5 mm²



Distribution box; switching with latching relay		
Color	Item No.	PU
● black	899-632/101-000	1

Switching with Latching Relay

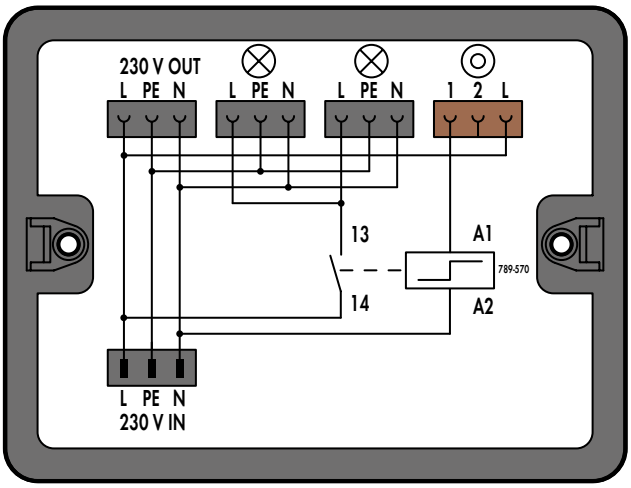
Through Wiring (3-Pole); 2 Outputs; 1 Push-Button; A+S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Distribution Box features one latching relay (one push-button, two lights).

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	16 A
Internal wiring	4 mm² / 2.5 mm²



Distribution box; switching with latching relay		
Color	Item No.	PU
● black	899-632/199-000	1

10

Mounting Page 498

Additional information, see "Technical Section"

Approvals and corresponding ratings, visit www.wago.com

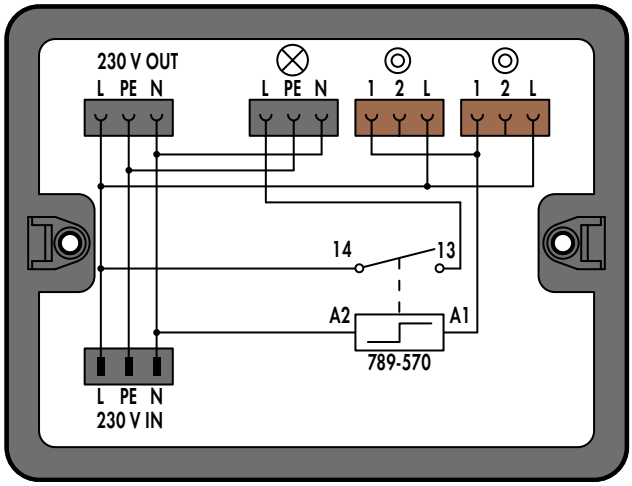
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series
Switching with Latching Relay
Through Wiring (3-Pole); 1 Light; 2 Push-Buttons; A+S-Coding ; WINSTA® MIDI

Description
This *WINSTA*® Distribution Box features one latching relay (two push-buttons, one light).

Technical Data

Rated voltage (III / 3)	250 V
Rated surge voltage (III / 3)	4 kV
Rated current	25 A / 16 A
Internal wiring	4 mm² / 2.5 mm²



Distribution box; switching with latching relay		
Color	Item No.	PU
● black	899-632/138-000	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WINSTA® Boxes ▸ 899 Series
Distribution Box for Self-Assembly

Description

This *WINSTA*® Distribution Box is designed for custom assembly/wiring and includes:
1 bottom; 1 lid; 2 sidewalls and 16 MIDI mounting pins.

Distribution box for self-assembly		
Color	Item No.	PU
● black	**899-631**	1
○ white	**899-681**	1

Distribution Box for Self-Assembly

Description

This *WINSTA*® Distribution Box is designed for custom wiring with an electronic module (1 module on DIN-35 rail) and includes:
1 bottom; 1 lid; 1 sidewall; 1 sidewall with DIN-35 rail and 10 MIDI mounting pins.

Distribution box for self-assembly		
Color	Item No.	PU
● black	**899-632**	1
○ white	**899-682**	1

Mounting Page 498

Additional information, see “Technical Section”

Approvals and corresponding ratings, visit www.wago.com

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

WAGO Accessories and WAGO Tools

WAGO Accessories and WAGO Tools

		Page
	***WINSTA*® MINI and MINI special; 890 Series** Accessories	480
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	***WINSTA*® IDC; 772, 895 and 897 Series** Accessories	499
	***WINSTA*® Boxes; 899 Series** Accessories	498
	Tools Operating Tools Wire strippers Stripping Pliers, Cable Cutters, Stripping Knives Cable cutters Wiring Aid	 506 508 509 510 510
	Marking Markers Self-Adhesive Marking Strips	 511 511

Accessories ▸ *WINSTA*® MINI, *WINSTA*® MINI special ▸ 890, 891 Series

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
black	890-101	100(50)
white	890-121	100(50)

Mounting adapter; for 2- to 5-pole for flying leads		
Color	Item No.	PU
black	890-310	100
white	890-311	100

Lockout cap; for cutout; 2-pole		
Color	Item No.	PU
black	890-642	100
white	890-692	100

Lockout cap; for cutout; 3-pole		
Color	Item No.	PU
black	890-643	100
white	890-693	100

Lockout cap; for cutout; 4-pole		
Color	Item No.	PU
black	890-644	100
white	890-694	100

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
black	890-111	100(50)
white	890-131	100(50)

Lockout cap;for cutout; 5-pole		
Color	Item No.	PU
black	770-643	100
white	770-693	100

All connectors for mounted installations (snap-in versions, pluggable PCB connectors, distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for “flying leads” (plug/socket).

Locking connector via integrated lever.
Locking second connector for a secure connection.

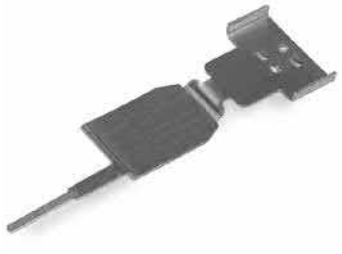
Seal unused cutout with lockout cap.

11

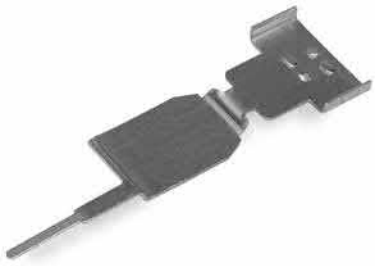
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MINI, *WINSTA*® MINI special ▸ 890 Series

Shield connecting plate; for 3-pole plugs and sockets		
	Item No.	PU
	890-523	50



Shield connecting plate; for socket; 4-pole		
	Item No.	PU
	890-524	50



Shield connecting plate; for socket; 5-pole		
	Item No.	PU
	890-526	50

Shield connecting plate; for plug; 4-pole		
	Item No.	PU
	890-525	50

Shield connecting plate; for plug; 5-pole		
	Item No.	PU
	890-527	50

Connector with shield termination

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MINI, *WINSTA*® MINI special ▸ 890 / 891 Series

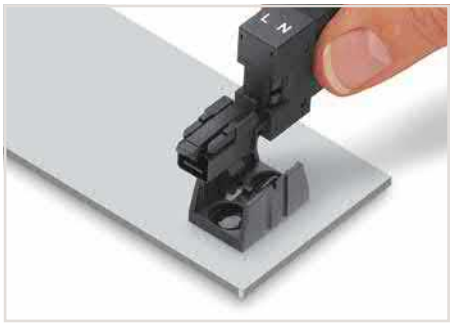
Mounting plate for distribution connector; 2-pole		
Color	Item No.	PU
black	890-1622	100
white	890-1672	100

Mounting pin; for mounting plates; 5 mm Ø; 0.2 … 1.2 mm plate thickness		
Color	Item No.	PU
black	890-601	250

Mounting plate; for distribution connector; 3-pole		
Color	Item No.	PU
black	890-623	100
white	890-673	100

Mounting plate; for distribution connector; 4-pole		
Color	Item No.	PU
black	890-624	50
white	890-674	50

Mounting plate; for distribution connector; 5-pole		
Color	Item No.	PU
black	890-625	50
white	890-675	50



The distribution connectors snap together when attached to the mounting plate.

Secure the mounting plate via pins.

11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

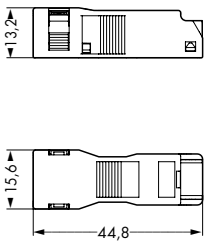
Accessories ▸ *WINSTA*® MINI, *WINSTA*® MINI special ▸ 890 Series

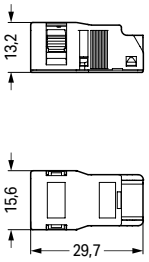
Strain relief housing;
for 3.8 … 8.2 mm cable diameter; 32 mm strip length

Color	Item No.	PU
black	890-502	50
white	890-512	50

Strain relief housing; short;
for 3.8 … 8.2 mm cable diameter; 17.5 mm strip length

Color	Item No.	PU
black	890-502/342-000	50
white	890-512/342-000	50





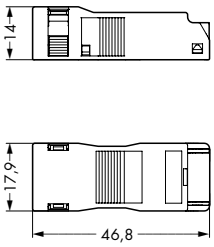
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

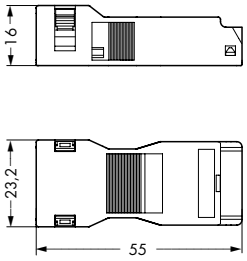
Accessories ▸ *WINSTA*® MINI, *WINSTA*® MINI special ▸ 890 Series

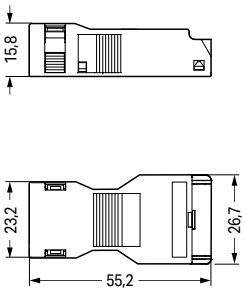
Strain relief housing; for 4.5 … 10 mm cable diameter; 40 mm strip length		
Color	Item No.	PU
black	890-503	50
white	890-513	50

Strain relief housing; for 6.5 … 10.5 mm cable diameter; 45 mm strip length		
Color	Item No.	PU
black	890-504	50
white	890-514	50

Strain relief housing; for 6.5 … 10.5 mm cable diameter; 45 mm strip length		
Color	Item No.	PU
black	890-505	50
white	890-515	50







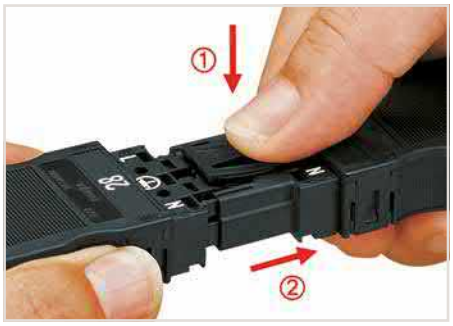
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770, 771 Series

Locking lever; for flying leads; manually operated		
Color	Item No.	PU (SPU)
black	770-101	100(25)
white	770-121	100(25)

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
black	770-111	100(25)
white	770-131	100(25)

Locking lever; oversized; tool operated		
Color	Item No.	PU (SPU)
gray	770-140	100(25)



Locking lever, manually operated:
- Push on locking lever
- Pull the connectors apart

Locking lever, tool operated:
- Unlatch locking lever
- Pull the connectors apart

Snap-in connector with protruding locking lever

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770, 771 Series

Coding pin; for plug (A- and B-coding)		
Color	Item No.	PU
gray	770-401	100

Lockout cap; for socket; separable; 12-pole		
Color	Item No.	PU
black	770-201	100
white	770-221	100

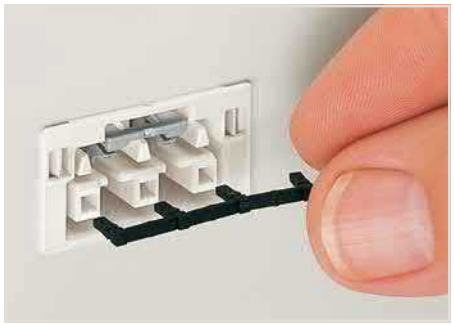
Lockout cap; for cutout; 3-pole		
Color	Item No.	PU
black	770-643	100
white	770-693	100

Lockout cap; for cutout; 4-pole		
Color	Item No.	PU
black	770-644	100
white	770-694	100

Lockout cap; for cutout; 5-pole		
Color	Item No.	PU
black	770-645	100
white	770-695	100

Lockout cap; for plug; separable; 5-pole		
Color	Item No.	PU
gelb	770-360	100

Insert coding pin into the plug.



Seal an unmated socket by simply inserting a lockout cap. This prevents the smallest particles from entering the socket.

Seal unused cutout with lockout cap.

11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series

Mounting adapter; for T-distribution connector; 5-pole		
	Item No.	PU
	770-354	50

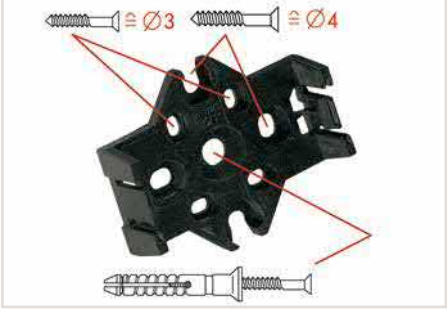
Mounting plate for distribution connector; 2-pole		
Color	**Item No.**	PU
black	**770-1626**	25
white	**770-1627**	25

Mounting plate; for distribution connector; 3-pole		
Color	**Item No.**	PU
black	**770-623**	25
white	**770-673**	25

Mounting plate; for distribution connector; 4-pole		
Color	**Item No.**	PU
black	**770-624**	25
white	**770-674**	25

Mounting plate; for distribution connector; 5-pole		
Color	**Item No.**	PU
black	**770-625**	25
white	**770-675**	25

Mounting pin; for mounting plates; 6 mm Ø; 1 … 2.5 mm plate thickness		
Color	**Item No.**	PU
black	**770-601**	250



Mounting plates can be secured using commercially available screws or nail-drive anchors.

The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

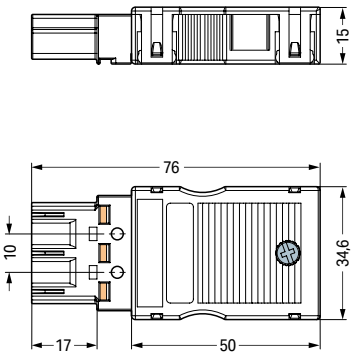
Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series

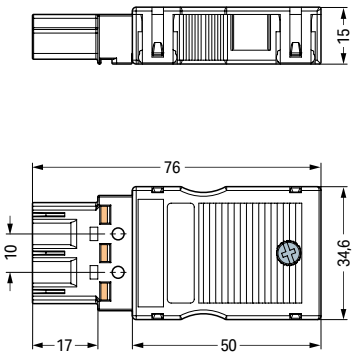
Shorting plug; S-coding; brown plug with assembled strain relief housing and bridge

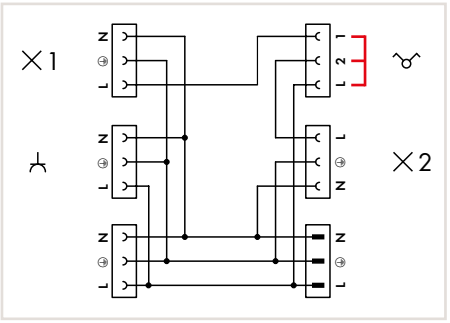
Color/Marking	Item No.	PU
	770-1373/146-000	50
	770-1373/147-000	50
	770-1373/148-000	50
	770-1373/149-000	50

Shorting plug; A-coding; black plug with assembled strain relief housing and bridge

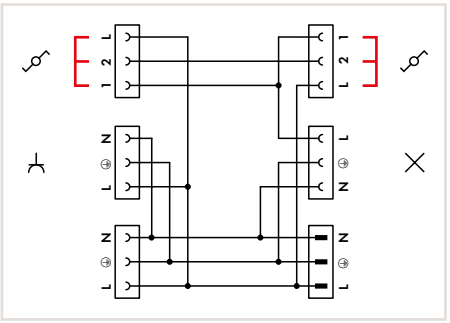
Color/Marking	Item No.	PU
	770-113/147-000	50



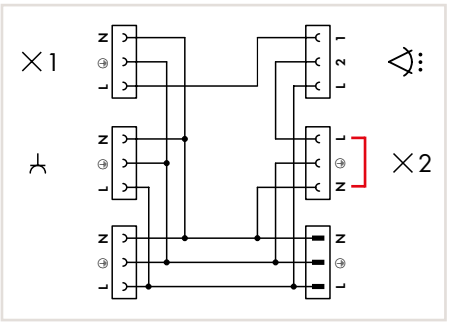




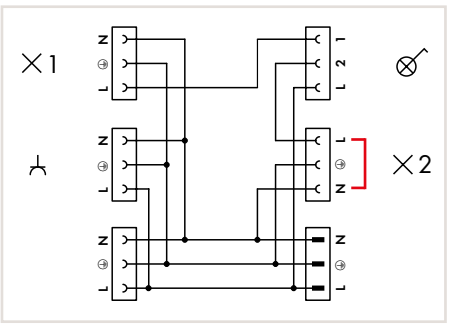
Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug.



Internal circuit of 770-638 Distribution Connector with possible insertion positions of 770-1373/14x-000 Shorting Plug.



Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a motion sensor.



Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a switch with control lamp.

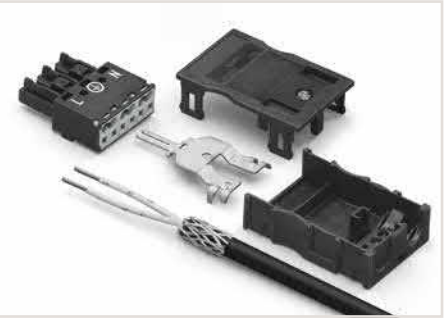
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series

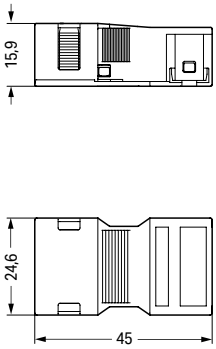
Shield connecting plate; for 3-pole plugs and sockets		
	Item No.	PU
	770-523	25

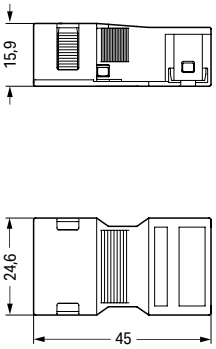
Strain relief housing; for one cable; 5 … 9 mm cable diameter; 35 mm strip length		
Color	**Item No.**	PU
black	**770-502/042-000**	50
white	**770-512/042-000**	50

Strain relief housing; for one cable; 7 … 10.5 mm cable diameter; 35 mm strip length		
Color	**Item No.**	PU
black	**770-502/041-000**	50
white	**770-512/041-000**	50



Connector with shield termination



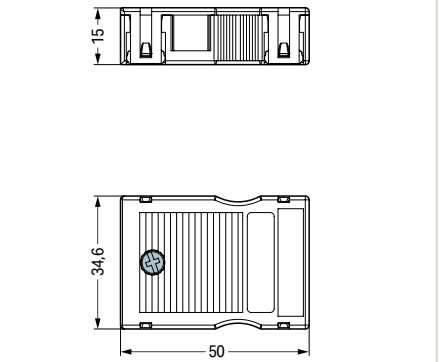


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series
3-Pole

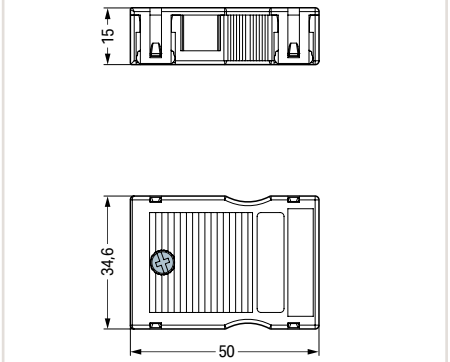
Strain relief housing; for two cables;
for 4.5 … 8 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-503/023-000	50
white	770-513/023-000	50



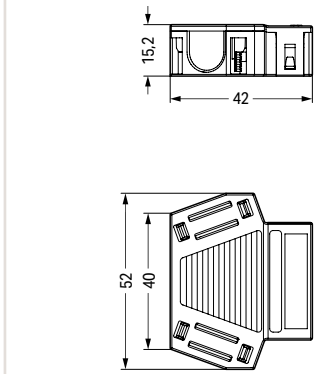
Strain relief housing; for two cables;
for 8 … 11.5 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-503	50
white	770-513	50



Strain relief housing; angled; for two cables;
for 8 … 11.5 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-503/032-000	25
white	770-513/032-000	25



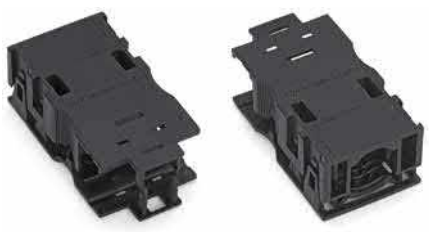
11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series
3-Pole

Strain relief housing; for 4 mm² cables; for 1 cable; 9 … 13 mm cable diameter; 71 mm strip length

Color	Item No.	PU
black	770-503/021-000	50
white	770-513/021-000	50

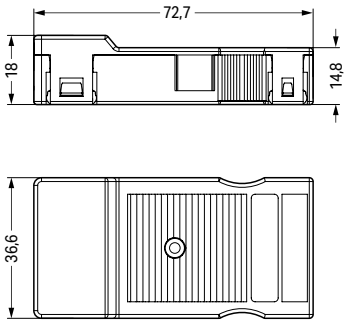


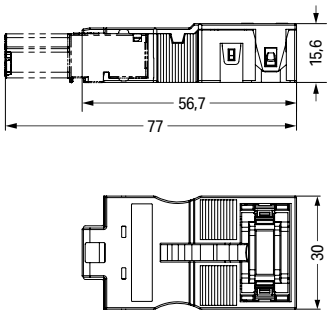
Strain relief housing; for quick assembly; for one cable; 7 … 11.5 mm cable diameter; 48 mm strip length

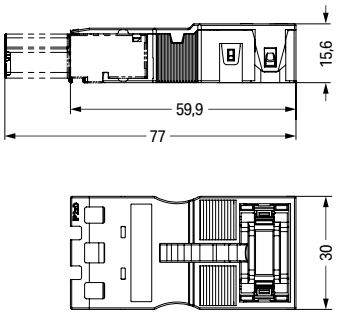
Color	Item No.	PU
black	770-503/035-000	50
white	770-513/035-000	50

Strain relief housing; IP 2xD; for one cable; 7 … 11.5 mm cable diameter; 48 mm strip length

Color	Item No.	PU
black	770-503/038-000	50
white	770-513/038-000	50





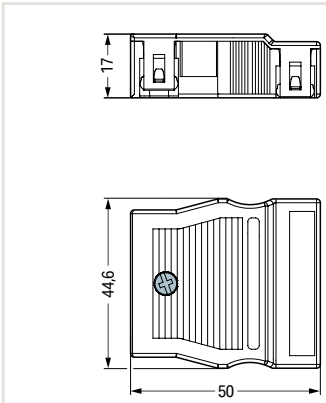


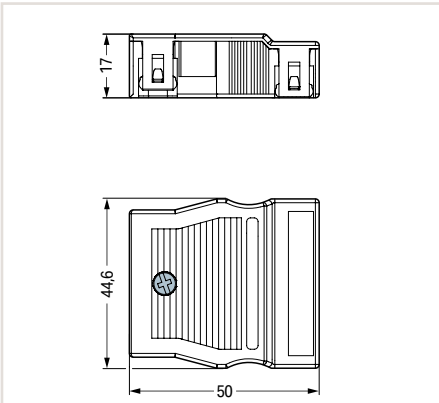
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series
4-Pole

Strain relief housing; for two cables; for 5 … 9 mm cable diameter; 55 mm strip length		
Color	**Item No.**	PU
black	**770-504/023-000**	50
white	**770-514/023-000**	50

Strain relief housing; for two cables; for 9 … 13 mm cable diameter; 55 mm strip length		
Color	**Item No.**	PU
black	**770-504**	50
white	**770-514**	50





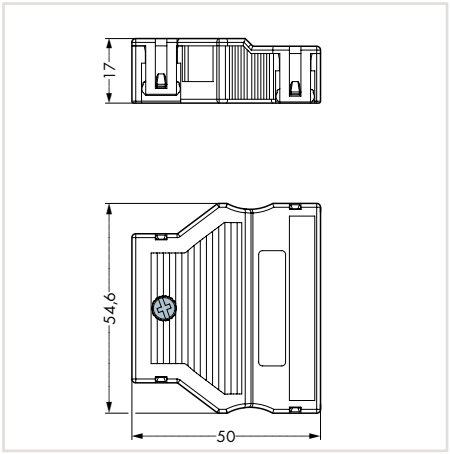
11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series 5-Pole

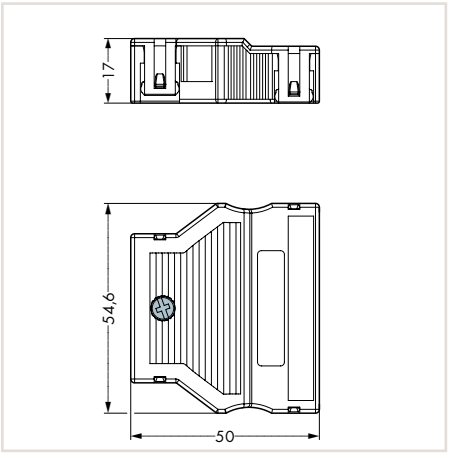
Strain relief housing; for two cables; for 5 … 9 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-505/023-000	25
white	770-515/023-000	25



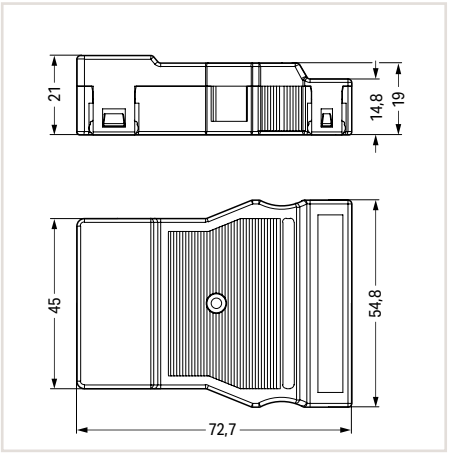
Strain relief housing; for two cables; for 9 … 13 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-505	25
white	770-515	25



Strain relief housing; for one cable; 11.5 … 16.5 mm cable diameter; 71 mm strip length

Color	Item No.	PU
black	770-505/021-000	25
white	770-515/021-000	25



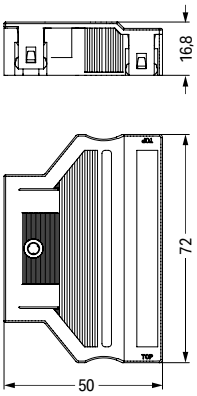
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series 6-Pole

Snap-on type strain relief housings for:
- two 3-pole sockets
- two 3-pole plugs
- 3-pole socket and plug

Strain relief housing; for two cables;
for 8.5 … 13.5 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-506/029-000	20
white	770-516/029-000	20



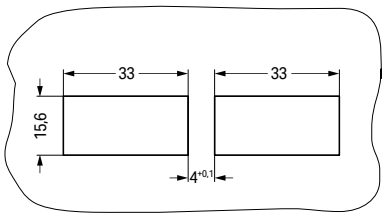
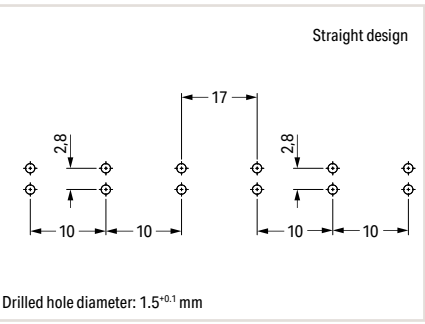
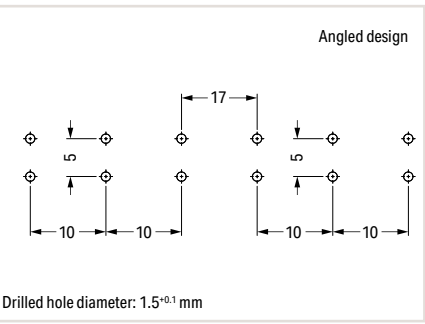


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Using a 6-pole strain relief housing with snap-in connectors requires the cutout dimensions shown above.



Using a straight, 6-pole PCB connector requires the hole patterns shown above.



Using an angled, 6-pole PCB connector requires the hole patterns shown above.

11

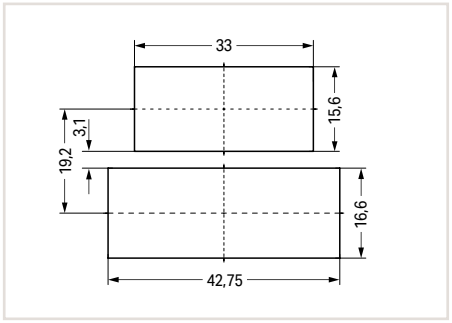
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series 7-Pole

Snap-on type strain relief housings for:
- 3-pole socket or plug
- 4-pole socket or plug

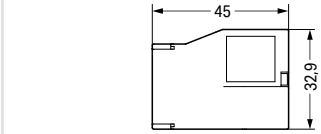
Strain relief housing; for one cable; 8 … 15 mm cable diameter; 55 mm strip length

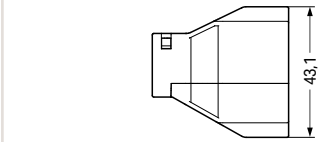
Color	Item No.	PU
black	770-507/047-000	200
white	770-517/047-000	200



Using a 7-pole strain relief housing with snap-in connectors requires the cutout dimensions shown above.

Flying leads
(NOTICE: Only use locking levers on upper position)





Flying leads

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series

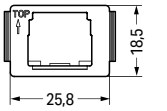
Insert the socket or plug into the frame (observe the "TOP" marking on the frame!), then snap the assembled unit into the cutout (example shows a 3-pole connector).

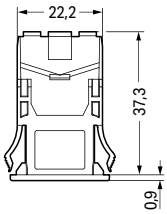
Snap-in frame; for 2-pole sockets and plugs; for 1 … 3 mm plate thickness

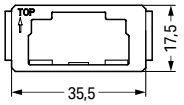
Color	Item No.	PU
black	770-317	100
white	770-337	100

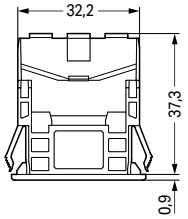
Snap-in frame; for 3-pole sockets and plugs; for 1 … 3 mm plate thickness

Color	Item No.	PU
black	770-318	100
white	770-338	100









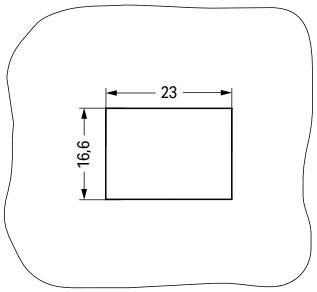


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

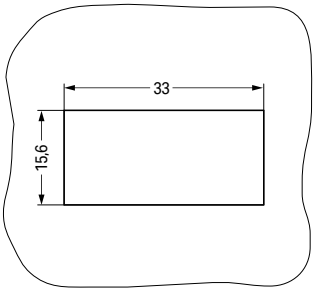


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI, *WINSTA*® MIDI special ▸ 770 Series

Snap-in frame; for 4-pole sockets and plugs; for 1 … 3 mm plate thickness

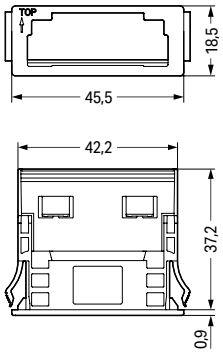
Color	Item No.	PU
black	770-319	100
white	770-339	100

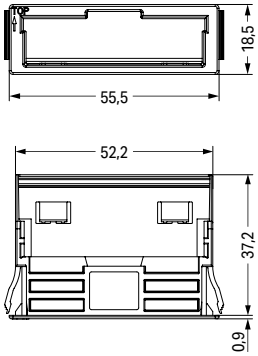
Snap-in frame; for 5-pole sockets and plugs; for 0.5 … 2 mm plate thickness

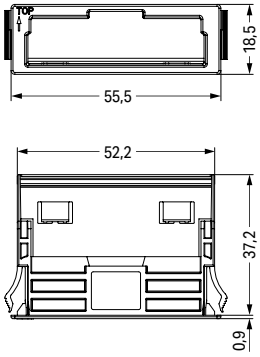
Color	Item No.	PU
black	770-321	100
white	770-341	100

Snap-in frame; for 5-pole sockets and plugs; for 1 … 3 mm plate thickness; for A-coding/B/I/P/Q

Color	Item No.	PU
black	770-320	100
white	770-340	100







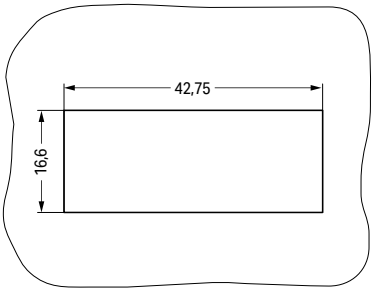


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

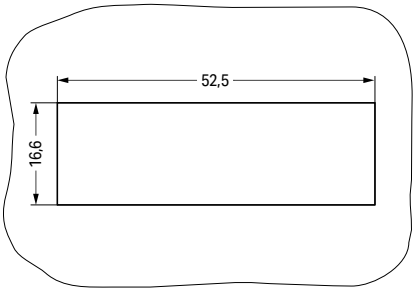


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

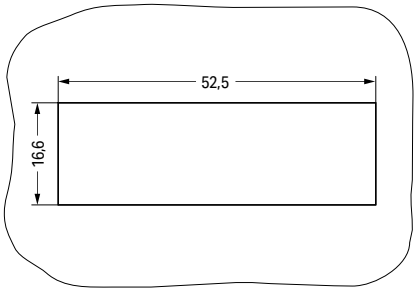


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® Boxes ▸ 899 Series

Adapter for distribution boxes; for *WINSTA*® MINI connectors and *WINSTA*® MINI special connectors; 2-pole		
Color	**Item No.**	PU
gray	**890-302**	50

Adapter for distribution boxes; for *WINSTA*® MINI connectors and *WINSTA*® MINI special connectors; 3-pole		
Color	**Item No.**	PU
gray	**890-303**	50

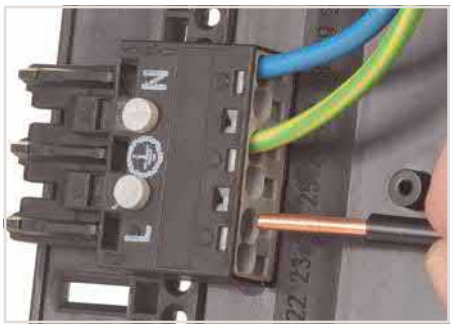
Adapter for distribution boxes; for *WINSTA*® MINI connectors and *WINSTA*® MINI special connectors; 4-pole		
Color	**Item No.**	PU
gray	**890-304**	50

Adapter for distribution boxes; for *WINSTA*® MINI connectors and *WINSTA*® MINI special connectors; 5-pole		
Color	**Item No.**	PU
gray	**890-305**	50

Mounting pin for distribution boxes; for *WINSTA*® MIDI connectors and *WINSTA*® MIDI special connectors		
Color	**Item No.**	PU
gray	**770-630**	100

Mounting plate; for distribution boxes		
	Item No.	PU
	770-680	25

Using adapters to install *WINSTA*® MINI and *WINSTA*® MINI special connectors in a distribution box.



Using mounting pins to secure *WINSTA*® MIDI and *WINSTA*® MIDI special connectors in a distribution box .

Wall-mounted *WINSTA*® Distribution Box

11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 772 Series

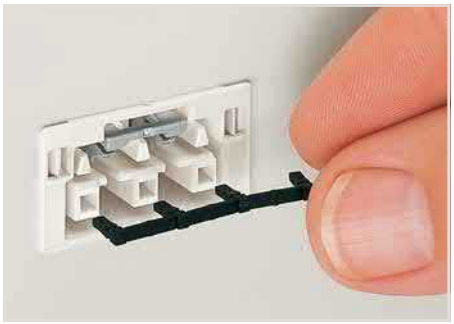
Mounting plate; for supply and tap-off modules		
Color	Item No.	PU
black	772-260	10

Mounting pin; for mounting plates; 6 mm Ø; 1 … 2.5 mm plate thickness		
Color	Item No.	PU
black	770-601	250

Lockout cap; for socket; separable; 12-pole		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Snapping a supply or tap-off module onto a mounting plate.

The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.



Seal an unmated socket by simply inserting a lockout cap. This prevents the smallest particles from entering the socket.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 895 Series

Cable fitting; M 40 x 1.5; clamping range: 20 … 26 mm Ø; with O-ring gasket; plastic		
Color	**Item No.**	PU
black	**895-1601**	5

Cable fitting; M 25 x 1.5; clamping range: 20 … 26 mm Ø; with O-ring gasket; brass		
	Item No.	PU
	895-1604	5

Filler plug; M 25 x 1.5; with O-ring gasket; plastic		
Color	**Item No.**	PU
black	**895-1605**	5

Cable fitting; M 25 x 1.5; clamping range: 9 … 16 mm Ø; with O-ring gasket; plastic		
Color	**Item No.**	PU
gray	**895-1602**	5

Cable fitting; M 25 x 1.5; clamping range: 13 … 18 mm Ø; with O-ring gasket; plastic		
Color	**Item No.**	PU
gray	**895-1603**	5

Tap-off module with brass cable fitting

11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

Mounting clamp; for screw mounting; for 2 x 1.5 mm², 5 x 2.5 mm², 5 x 4 mm² and 5 x 2.5 mm² + 2 x 1.5 mm² flat cables		
Color	**Item No.**	PU
gray	**897-878**	100

Mounting clamp; for screw mounting; for 3 x 2.5 mm² flat cables		
Color	**Item No.**	PU (SPU)
dark gray	**897-839**	200(25)

Mounting clamp; for screw mounting; for 5 x 10 mm² flat cables		
Color	**Item No.**	PU
dark gray	**897-859**	100

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

Flat cable end cover; for 2 x 1.5 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-120**	10

Flat cable end cover; for 3 x 2.5 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-230**	25

Flat cable end cover; for 5 x 2.5 mm² and 5 x 4 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-250**	25

Flat cable end cover; for 5 x 2.5 mm² and 2 x 1.5 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-260**	25

Flat cable end cover; for 5 x 10 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-1050**	10

Flat cable end cover; for 5 x 16 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-1650**	4

Insulating tape; for 2 x 1.5 mm² to 5 x 10 mm² flat cables		
Color	**Item No.**	PU
black	**897-900**	10

Insulating tape; for 5 x 16 mm² flat cables		
Color	**Item No.**	PU
black	**897-901**	10

Fit end cover to each flat cable end.

Use insulating tape to seal the contact holes in the flat cable after removing a module.

11

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

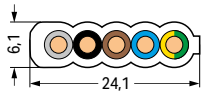
Flat cable; 5 x 2.5 mm²; PVC		
Color	Item No.	PU
light green	897-251	1

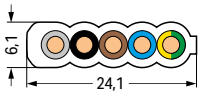
Flat cable; 5 x 4 mm²; halogen-free		
Color	Item No.	PU
black	897-453	1

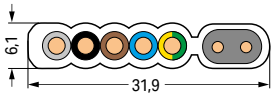
Flat cable; 5 x 2.5 mm² + 2 x 1.5 mm²; PVC		
Color	Item No.	PU
violett	897-261	1

Flat cable; 5 x 2.5 mm²; halogen-free		
Color	Item No.	PU
light green	897-252	1

Flat cable; 5 x 2.5 mm² + 2 x 1.5 mm²; halogen-free		
Color	Item No.	PU
violett	897-262	1







PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

Flat cable; 2 x 1.5 mm²; PVC		
Color	Item No.	PU
light gray	897-121	1

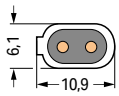
Flat cable; 3 x 2.5 mm²; PVC		
Color	Item No.	PU
light gray	897-231	1

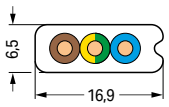
Flat cable; 5 x 10 mm²; PVC		
Color	Item No.	PU
light gray	897-1051	1

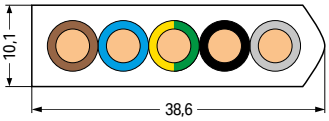
Flat cable; 2 x 1.5 mm²; halogen-free		
Color	Item No.	PU
light gray	897-122	1

Flat cable; 3 x 2.5 mm²; halogen-free		
Color	Item No.	PU
light gray	897-232	1

Flat cable; 5 x 10 mm²; halogen-free		
Color	Item No.	PU
light gray	897-1052	1





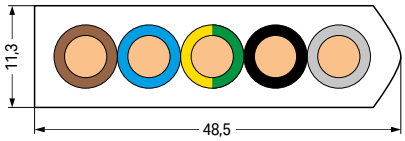


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

Flat cable; 5 x 16 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-1651**	1

Flat cable; 5 x 16 mm²; halogen-free		
Color	**Item No.**	PU
light gray	**897-1652**	1



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Operating Tools ▸ *WINSTA®*

Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade

	Item No.	PU (SPU)
	210-719	50(1)

Operating tool with a partially insulated shaft; type 2; (3.5 x 0.5) mm blade

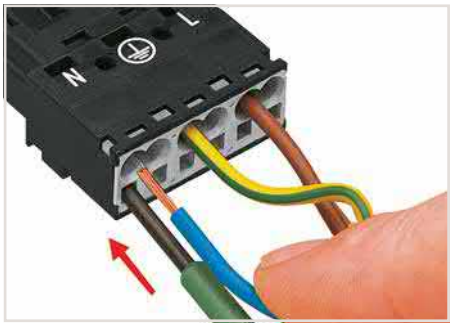
	Item No.	PU (SPU)
	210-720	50(1)

Operating tool with a partially insulated shaft; type 3; (5.5 x 0.8) mm blade

	Item No.	PU (SPU)
	210-721	25(1)

Operating tool set; with a partially insulated shaft; includes 210-719, 210-720 and 210-721

	Item No.	PU
	210-722	1



The blade dimensions of the above-listed operating tools are ideal for operating both *WINSTA®* Plugs and Sockets.

Set of operating tools in a box

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Operating Tools ▸ *WINSTA*®

Operating tool with a partially insulated shaft; (6.5 x 1.4) mm blade		
	Item No.	PU (SPU)
	210-636	50(1)

Operating tool; short version; (6.5 x 1.4) mm		
	Item No.	PU (SPU)
	210-635	30(1)

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 2-pole		
	Item No.	PU
	890-382	1

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 3-pole		
	Item No.	PU
	890-383	1

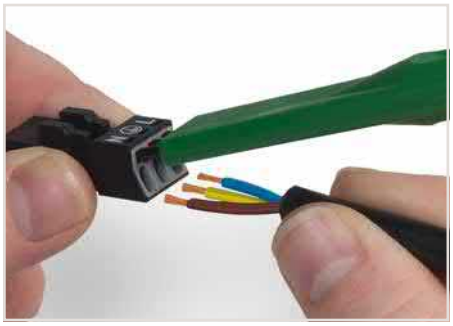
Operating tool; partially insulated; for *WINSTA*® MINI connectors; 4-pole		
	Item No.	PU
	890-384	1

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 5-pole		
	Item No.	PU
	890-385	1

Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 2-pole		
	Item No.	PU
	770-382	1

Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 3-pole		
	Item No.	PU
	770-383	1

Operating tools are ideally suited to operate IDC modules (772 Series).



To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Stripping Tools ▸ *WINSTA®*

Cable knife; for Ø 8 … 28 mm / 0.31 … 1.10 inch; with a unique, changeable cable bracket system; including cable bracket

Item No.	Pack. Unit
206-1403	1

Accessories; item-specific

Cable bracket; for Ø 4 … 16 mm / 0.16 … 0.63 inch	
206-1411	1
Cable bracket; for Ø 8 … 28 mm / 0.31 … 1.10 inch	
206-1412	1
Cable bracket; for Ø 27 … 35 mm / 1.06 … 1.38 inch	
206-1413	1
Cable bracket; for Ø 35 … 50 mm / 1.38 … 1.97 inch	
206-1414	1
Cable bracket; for Ø 50 … 70 mm / 1.97 … 2.75 inch	
206-1415	1
Spare inside blade	
206-1418	1
Spare hook blade	
206-1419	1

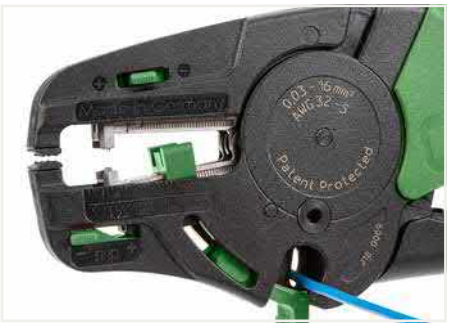
Wire stripper "Quickstrip Vario"; 0.03 … 16 mm² / 34 … 6 AWG

Item No.	PU
206-1125	1

Accessories

Blade set; Standard; 0.03 … 16 mm² / 34 … 6 AWG	
206-1126	1
Blade set; V-blade; 0.14 … 4 mm² / 24 … 12 AWG	
206-1127	1
Blade set; Oval blade; 10 … 16 mm² / 8 … 6 AWG	
206-1128	1
Spare stripping stop	
206-1129	1
Spare cut protector	
206-1131	1
Spare clamping jaws	
206-1132	1

Partially stripping a conductor.



Cutting a conductor.

Wire Stripper:

- Automatically adjust to conductor size
- Stripping blades cause no damage to conductor strands
- Gripping pressure of jaws adjusts automatically to conductor insulation diameter
- Clamping jaws and stripping blades automatically open once the stripping process is completed – no splaying of the conductor strands
- Exact strip length may be set by sliding black setting stop
- Stripping blades can be replaced
- Self-sharpening, fully protected cutter (replaceable)
- Entire body made of glass-fiber-reinforced polyamide
- Cutting capacity of the wire cutter of fine-stranded conductors up to 16 mm² (6 AWG)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Stripping Pliers, Cable Cutters, Stripping Knives ▸ *WINSTA®*

Stripping pliers; with insulated handles; for 3 x 2.5 mm² flat cables		
Color	**Item No.**	PU
red	**897-931**	1

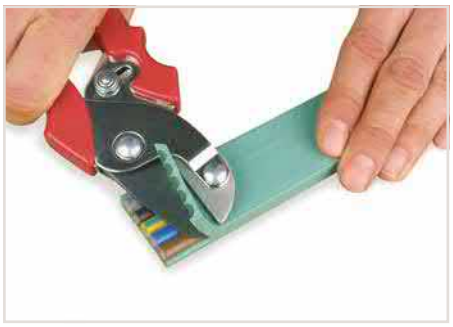
Cable cutter; with partially insulated handles; for 5 x 10 mm² and 5 x 16 mm² flat cables		
Color	**Item No.**	PU
red	**897-970**	1

Stripping knife; for (5 x 10 mm²) flat cable		
Color	**Item No.**	PU
light gray	**897-951**	1

Stripping pliers; with insulated handles; for 2 x 1.5 mm², 5 x 2.5 mm², 5 x 4 mm² and 5 x 2.5 mm² + 2 x 1.5 mm² flat cables		
Color	**Item No.**	PU
red	**897-971**	1

Cable cutter; with partially insulated handles; for 2 x 1.5 mm², 5 x 2.5 mm², 5 x 4 mm² and 5 x 2.5 mm² + 2 x 1.5 mm² flat cables		
Color	**Item No.**	PU
red	**897-972**	1

Stripping knife; for 5 x 16 mm² flat cable		
Color	**Item No.**	PU
light gray	**897-952**	1



Cut off the flat cable insulation via cable cutter.

Cut both flat cable insulation sides via stripping knife.

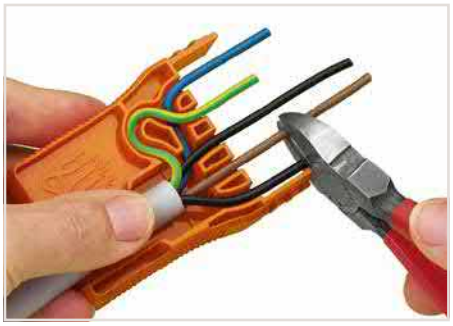
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Cutter and Wiring Aid ▶ *WINSTA®*

Cable cutter; per VDE; for copper and aluminum cables; 0.25 … 35 mm²		
Color	**Item No.**	PU (SPU)
green	**206-118**	10(1)

Wiring aid; for 5-pole connectors; distribution connectors with phase selection and IDC supply modules; suitable for solid and stranded conductors		
Color	**Item No.**	PU (SPU)
orange	**770-100**	20(1)

Cutting a cable.



Strip outer insulation, insert cable into the wiring aid and arrange the single conductors according to the marking, starting with N.
Cut conductor ends to the proper length.

Strip conductor ends to a length of 9 mm (see marking).
Slide connector to the stop over conductor ends.

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PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Markers and Marking Strips ▸ *WINSTA®*

Marker; for manual marking		
Color	**Item No.**	PU
white	**770-450**	50
green	**770-450/000-001**	50
yellow	**770-450/000-002**	50
red	**770-450/000-005**	50
blue	**770-450/000-006**	50
orange	**770-450/000-012**	50

Self-adhesive marking strips; on DIN A4 cards; 182 mm long; 6 mm (40 x) high; for 770 Series		
Color	**Item No.**	PU (SPU)
white	**210-333**	100(1)

Self-adhesive marking strips; on DIN A4 cards; 182 mm long; 5 mm (48 x) high; for 771 Series		
Color	**Item No.**	PU (SPU)
white	**210-334**	100(1)

Distribution connector with marked cables

Marking area:
Strain relief; 3-pole; 28 x 6.5 mm
Strain relief; 4-pole; 38 x 6.5 mm
Strain relief; 5-pole; 48 x 6.5 mm
Strain relief; 6-pole; 62 x 6.5 mm

Marking area:
Strain relief; 3-pole; 22 x 5.2 mm
Strain relief; 4-pole; 32 x 5.2 mm
Strain relief; 5-pole; 42 x 5.2 mm

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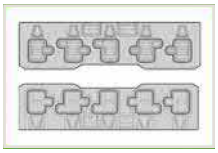
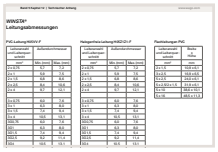
smartSCRIPT marking software;
visit www.wago.com/smartprinter

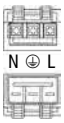
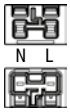
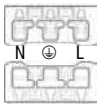
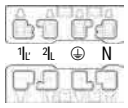
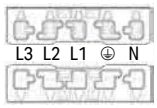
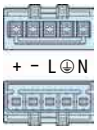
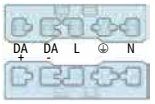
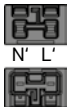
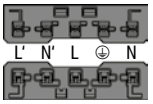
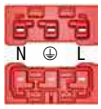
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Technical Section

Technical Section

		Page
	Coding Overview Pole Markings	514 516
	Cable Dimensions	518
	International Certification Organizations	520
	Electrical Engineering Laboratory	522
	Seminars	524

WINSTA®
Coding Configurations
770, 771, 772, 831, 890, 891, 893, 894 and 899 Series

Description	*WINSTA*® MINI				*WINSTA*® MIDI			
	2-pole	3-pole	4-pole	5-pole	2-pole	3-pole	4-pole	5-pole
Series	890/891	890/891	890/891	890/891	770/771	770/771	770/771	770/771
A-coding black white e.g., general applications								
E-coding green KNX applications F-coding light gray specialty coding								
I-coding blue for dimming function (e.g., DALI)								
L-coding dark gray e.g., emergency power supply								
P-coding red e.g., computer applications (UPS)								
Q-coding green Clean ground applications								
R-coding orange e.g., LON® Bus								
S-coding brown e.g., switching applications								

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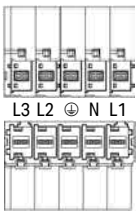
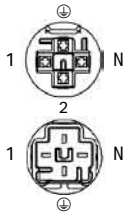
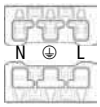
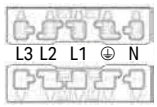
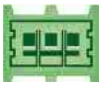
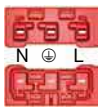
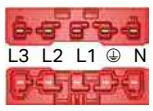
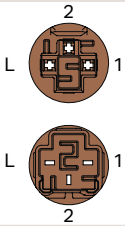
Description	*WINSTA*® MAXI	*WINSTA*® RD		*WINSTA*® KNX		*WINSTA*® IDC	
	5-pole	3-pole	4-pole	2-pole	2-pole	3-pole	5-pole
Series	831	774	774	893/894	893/894	772	772
A-coding black white e.g., general applications							
E-coding green KNX applications F-coding light gray specialty coding				E-coding 1+ 2- 	F-coding 1+ 2- 		
I-coding blue for dimming function (e.g., DALI)							
L-coding dark gray e.g., emergency power supply							
P-coding red e.g., computer applications (UPS)							
Q-coding green Clean ground applications							
R-coding orange e.g., LON® Bus							
S-coding brown e.g., switching applications							

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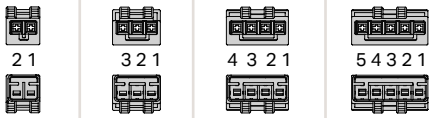
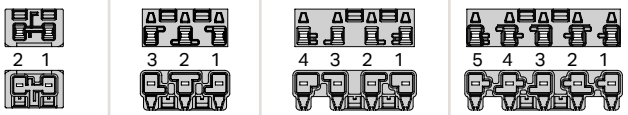
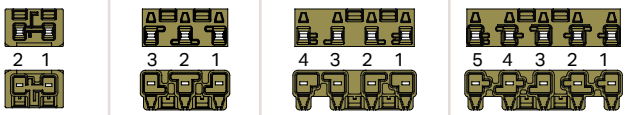
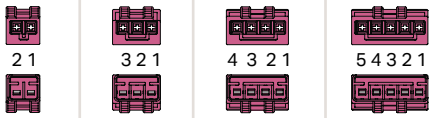
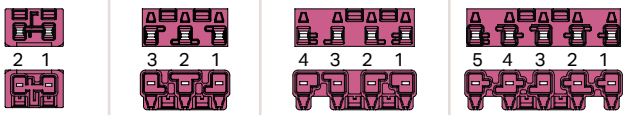
WINSTA® MINI special and MIDI special
B-Coding

Description	*WINSTA*® MINI special				*WINSTA*® MIDI special / *WINSTA*® IDC			
	2-pole	3-pole	4-pole	5-pole	2-pole	3-pole	4-pole	5-pole
Series	890/891	890/891	890/891	890/891	770/771	770/771/772	770/771	770/771/772
B-coding gray Control and general applications (110 … 400 V mains applications)								
B-coding light green Control and general applications (0 … 48 V low voltages)								
B-coding pink Control and general applications (bus applications)								

Important note:

B-Coded components within the *WINSTA*® MINI special and *WINSTA*® MIDI special families are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984. In addition to the gray models rated from 110 to 400 V, there is now also a variant in light green for low voltages up to 48 V, as well as a pink one for bus applications.
Each of the three versions is available in 2-, 3- or 4- and 5-pole configurations. Pole marking can be printed at the factory to suit customer requirements. B-coded products are protected against mismating with all other coding types found in the *WINSTA*® system. Within B-coding, all special variants can mate with each other. The variable coding system provides clear circuit identification. Special variants can be clearly differentiated according to color and pole marking. They can be coded on-site or delivered with factory-installed custom coding.

WINSTA® MINI special and MIDI special Pole Markings

Suffix Number	Marking				Application
	2-pole	3-pole	4-pole	5-pole	
without	1 2	1 2 3	1 2 3 4	1 2 3 4 5	General
/060-000 MINI MIDI	L N	L ⏚ N	N ⏚ ^{2}IL ^{1}IL'	N ⏚ 1 2 3 N ⏚ L1 L2 L3	Standard 230 V/400 V network application
/062-000		2 PE 1	3 PE 2 1	N PE 3 2 1	Fan Step switching
/064-000			2L ⏚ 1L L	N ⏚ L 2L 1L	230 V + switched
without	1 2	1 2 3	1 2 3 4	1 2 3 4 5	General
/071-000		U+ X/Y U-	U- S U+ X/Y		AI / AO 0 … 10 V
/072-000			U- U+ DI AI		Presence detector incl. light sensor
/073-000		1 ⏚ 2	1 ⏚ 2 3	1 ⏚ 2 3 4	Control Signal incl. Ground
without	1 2	1 2 3	1 2 3 4	1 2 3 4 5	General
/080-000	I+ I-			N ⏚ L I- I+	SMI bus
/081-000		1 2 5	1 2 5 3		MP-Bus
/082-000	+ -	+ S -		N ⏚ L - +	Standard fieldbus applications

Distribution connectors and cable assemblies with above-mentioned pole markings are available upon request.

Item number example:
WINSTA® MIDI special, plug, 4-pole, light green, with U- U+ DI AI pole marking 770-274/072-000

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WINSTA®
Cable Dimensions

H05VV-F PVC Cables

Number and Size of Conductors	Outer Diameter	
mm^2	Min. (mm)	Max. (mm)
2 x 0.75	5.7	7.2
2 x 1	5.9	7.5
2 x 1.5	6.8	8.6
2 x 2.5	8.4	10.6
2 x 4	9.7	12.1
3 x 0.75	6.0	7.6
3 x 1	6.3	8.0
3 x 1.5	7.4	9.4
3 x 4	10.5	13.1
3G0.75	6.0	7.6
3G1	6.3	8.0
3G1.5	7.4	9.4
3G2.5	9.2	11.4
3G4	10.5	13.1
4 x 1	7.1	9.0
4 x 1.5	8.4	10.5
4G0.75	6.6	8.3
4G1	7.1	9.0
4G1.5	8.4	10.5
4G2.5	10.1	12.5
4G4	11.5	14.3
5G0.75	7.4	9.3
5G1	7.8	9.3
5G1.5	9.3	11.6
5G2.5	11.2	13.9

H05Z1Z1-F Halogen-Free Cables

Number and Size of Conductors	Outer Diameter	
mm^2	Min. (mm)	Max. (mm)
2 x 0.75	5.7	7.2
2 x 1	5.9	7.5
2 x 1.5	6.8	8.6
2 x 2.5	8.4	10.6
2 x 4	9.7	12.1
3 x 0.75	6.0	7.6
3 x 1	6.3	8.0
3 x 1.5	7.4	9.4
3 x 4	10.5	13.1
3G0.75	6.0	7.6
3G1	6.3	8.0
3G1.5	7.4	9.4
3G2.5	9.2	11.4
3G4	10.5	13.1
4 x 1	7.1	9.0
4 x 1.5	8.4	10.5
4G1	7.1	9.0
4G1.5	8.4	10.5
4G2.5	10.1	12.5
5G1	7.8	9.3
5G1.5	9.3	11.6
5G2.5	11.2	13.9
5G4	13.0	16.1

PVC Flat Cables

Number and Size of Conductors	Width x Height
mm^2	mm
2 x 1.5	10.9 x 6.1
3 x 2.5	16.9 x 6.5
5 x 2.5	24.0 x 6.1
5 x 2.5/2 x 1.5	31.9 x 6.1
5 x 10	38.6 x 10.1
5 x 16	48.5 x 11.3

Halogen-Free Flat Cables

Number and Size of Conductors	Width x Height
mm^2	mm
2 x 1.5	10.9 x 6.1
3 x 2.5	16.4 x 6.3
5 x 2.5	24.1 x 6.1
5 x 4	24.1 x 6.1
5 x 2.5/2 x 1.5	31.9 x 6.1
5 x 10	38.6 x 10.1
5 x 16	48.5 x 11.3

International Certification Organizations – Overview

		Abbreviation
	Underwriters Laboratories USA http://www.ul.com	UL
	Underwriters Laboratories USA http://www.ul.com	UL
Y	Underwriters Laboratories USA http://www.ul.com	cURus
	Underwriters Laboratories USA http://www.ul.com	cULus
	Canadian Standards Association Kanada http://www.csa.ca	CSA
	VDE-Gutachten mit Fertigungsüberwachung Bundesrepublik Deutschland http://www.vde.de/vde/html/e/home.htm	VDE
	VDE – Deutscher Verband für Elektrotechnik Bundesrepublik Deutschland http://www.vde.de	
VDE	VDE – Prüfbericht Bundesrepublik Deutschland	
	Österreichischer Verband für Elektrotechnik Österreich http://www.ove.at	ÖVE
	Schweizerischer Elektrotechnischer Verein Schweiz http://www.sev.ch/	SEV
KEMA KEUR	N.V. tot Keuring van Elektrotechnische Materialien Niederlande http://www.kema.nl	KEMA
CCA	CENELEC CERTIFICATION AGREEMENT N.V. tot Keuring van Elektrotechnische Materialien Niederlande http://www.cenelec.org	CCA Zul.-Nr. mit NL
	Norges Elektriske Materialkontroll Norwegen http://express.nemko.com	NEMKO
	Svenska Elektriska Materielkontrollanstalten AB Schweden http://www.semko.com	SEMKO

		Abbreviation
	Danmarks Elektriske Materielkontrol Dänemark http://www.demko.dk	DEMKO
CCA	CENELEC CERTIFICATION AGREEMENT Danmarks Elektriske Materielkontrol Dänemark http://www.cenelec.org	CCA Zul.-Nr. mit NL
	SETI – FEMKO Sähkötarkastuskeskus Elinspecktionscentralen Finnland http://www.seti.fi	
	Sähkötarkastuskeskus Elinspecktionscentralen Finnland http://www.fimko.com	FIMKO
SABS	South African Bureau of Standards Süd-Afrika http://www.sabs.co.za	SABS
	RosTesT Russland http://www.rostest.ru	ROTEST
	Departamentul Moldovastandard Moldawien http://www.moldova.md/ro/government/oll/D_STAND/en/strcent2.htm	CSM
	Certificate of Registration Großbritannien http://www.astacertification.com	ASTA
	Rheinisch-Westfälischer Technischer Überwachungsverein e.V. Bundesrepublik Deutschland http://www.rwtuv.de	RWTÜV
	Elektrotechnick´y v´yskumn´y a projektov´y ústav Tschechien http://www.ezu.cz	EZU
	Stowarzyszenie Elektrykow Polskich Polen http://www.sep.com.pl	BBJ
	Stowarzyszenie Elektrykow Polskich Polen http://www.bbj.pl	SEP

For complete, up-to-date approval information, visit www.wago.com.

		Abbreviation
CNET	**Centre National d'Etudes des Télécommunications Frankreich http://www.lannion.cnet.fr**	**CNET**
LCIE	**Laboratoire Central des Industries Electriques Frankreich http://www.lcie.fr**	**LCIE**
	Fyzikálne Technick´yZkusební Ústav, Ostrava-Radvanice Tschechien http://www.ftzu.cz	**FTZU**
Marine Approvals		
	Germanischer Lloyd Bundesrepublik Deutschland http://www.gl-group.com	**GL**
	Bureau Veritas Frankreich http://www.bureauveritas.fr	**BV**
	Lloyd's Register of Shipping Großbritannien http://www.lloydsregister.com	**LR**
	NV – Det Norske Veritas Norwegen http://www.dnv.com	**DNV**
	Russian Maritime Register of Shipping GUS http://www.rs-head.spb.ru	**RMR**
	Polski Rejestr Statków Polen http://www.prs.pl	**PRS**
	Korean Register of Shipping Korea http://www.krs.co.kr	**KR**
	American Bureau of Shipping USA http://www.eagle.org	**ABS**

		Abbreviation
	Robbanásbiztos Villamos Berendezések Ungarn http://www.bki.hu	**BKI**
CB	**CB – TEST CERTIFICATE Indien http://www.ul-europe.com**	**CB**
CB	**CB – TEST CERTIFICATE China http://www.ul-europe.com**	**CB**
	UL-International Demko A/S Dänemark http://www.ul-europe.com	**ENEC**
Ex Approvals		
	Physikalisch Technische Bundesanstalt Bundesrepublik Deutschland Ex e II http://www.ptb.de	**PTB**
	Underwriters Laboratories USA http://www.ul.com	**cURus-EX**
	N.V. tot Keuring van Elektrotechnische Materialien Niederlande http://www.kemaquality.com	**KEMA-EX**
GOSENERGO-Ex	**GOSENERGONADZOR Russland**	**GOSENERGO-EX**
	Fyzikálne Technick´y Zkusební Ústav, Ostrava-Radvanice Tschechien http://www.ftzu.cz	**FTZU**
	Robbanásbiztos Villamos Berendezések Ungarn http://www.bki.hu	**BKI-Ex**

Electrical Engineering Laboratory
Product Safety for Our Customers

For global use, terminal blocks must satisfy certain standards and obtain test certificates. These requirements apply to every manufacturer. WAGO also conducts its own tests to increase standards and offer greater reliability with its products. Products undergo a full range of mechanical, electrical and climatic testing, and we'll share a few of those processes with you.

WAGO Test Lab

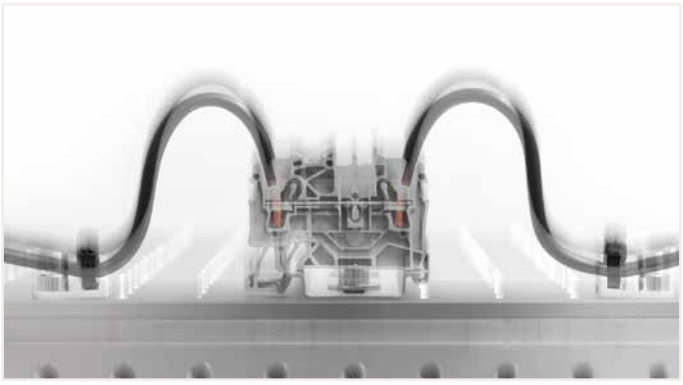
This means that WAGO's products can be used safely and reliably both in Europe and anywhere globally for a wide variety of applications. We heavily emphasize the importance of global acceptance during development. As a result, we can present documentation that verifies our high levels of product safety and reliability while ensuring the fulfillment and accuracy of technical data, which are the highest priorities for our customers and users worldwide.
On December 22, 2009, our test lab was accredited by the German Accreditation Association (Deutsche Gesellschaft für Akkreditierung GmbH) in accordance with DIN EN ISO/IEC 17025.

Pull-Out Test (per EN 60947-7-1, EN 60998-2-2)

During the pull-out force test, a conductor is pulled on until it is removed from the clamping unit. The design of the terminals means that extraction only occurs after the standard pull-out force has been exceeded many times over.

Vibration Test (per IEC/EN 60068-2-6)

Depending on the application, such as railway (per EN 61373) or marine (per GL, LR, DNV), there are various testing requirements to determine if the long-term effects of vibrations degrade electrical connections. The test specimen is subjected to different loads on three axes in an electrodynamic vibration system. The amplitude, the acceleration, and particularly the frequency of the vibration vary during the test. The test values are increased many times over the standard values to meet special customer requirements.

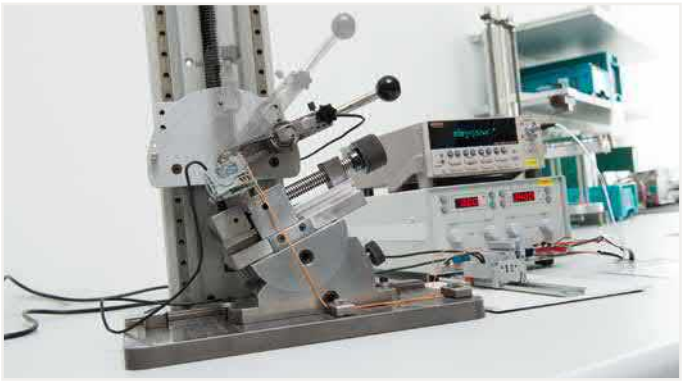


Shock Test (per IEC/EN 60068-2-27)

The shock test is very similar to the vibration test except that, instead of continuous vibrations, single shocks are applied to the test specimen. Shock tests are usually performed, for example, at an acceleration of 20g over a period of 11 ms. Tests for special requirements often call for much higher values and are also conducted in our laboratory. Single-deck TOPJOB® S Rail-Mount Terminal Blocks, for example, pass shock tests up to 500g.

Voltage Drop Test under Bending Stress (per EN 60947-7-1, EN 60999-1)

The voltage drop test under bending stress simulates mechanical stress on the clamping unit. In everyday use, this stress can occur during installation, for example, when an electrician shoves connected conductors to the side in order to access a specific component. The quality of the clamping unit when moving a connected conductor can be validated by the constantly stable measured value of the voltage drop.



DAkkS
Deutsche
Akkreditierungsstelle

Deutsche Akkreditierungsstelle GmbH

Beliehene gemäß § 8 Absatz 1 AkkStelleG i.V.m. § 1 Absatz 1 AkkStelleGBV
Unterzeichnerin der Multilateralen Abkommen
von EA, ILAC und IAF zur gegenseitigen Anerkennung

Akkreditierung

Die Deutsche Akkreditierungsstelle GmbH bestätigt hiermit, dass das Prüflaboratorium

WAGO Kontakttechnik GmbH & Co. KG
Hansastraße 27, 32423 Minden

die Kompetenz nach DIN EN ISO/IEC 17025:2005 besitzt, Prüfungen in folgenden Bereichen durchzuführen:

Elektrische und mechanische Prüfungen an Klemmen und Steckverbinder sowie Umweltsimulation

Die Akkreditierungsurkunde gilt nur in Verbindung mit dem Bescheid vom 18.12.2014 mit der Akkreditierungsnummer D-PL-19704-01 und ist gültig bis 17.12.2019. Sie besteht aus diesem Deckblatt, der Rückseite des Deckblatts und der folgenden Anlage mit insgesamt 5 Seiten.

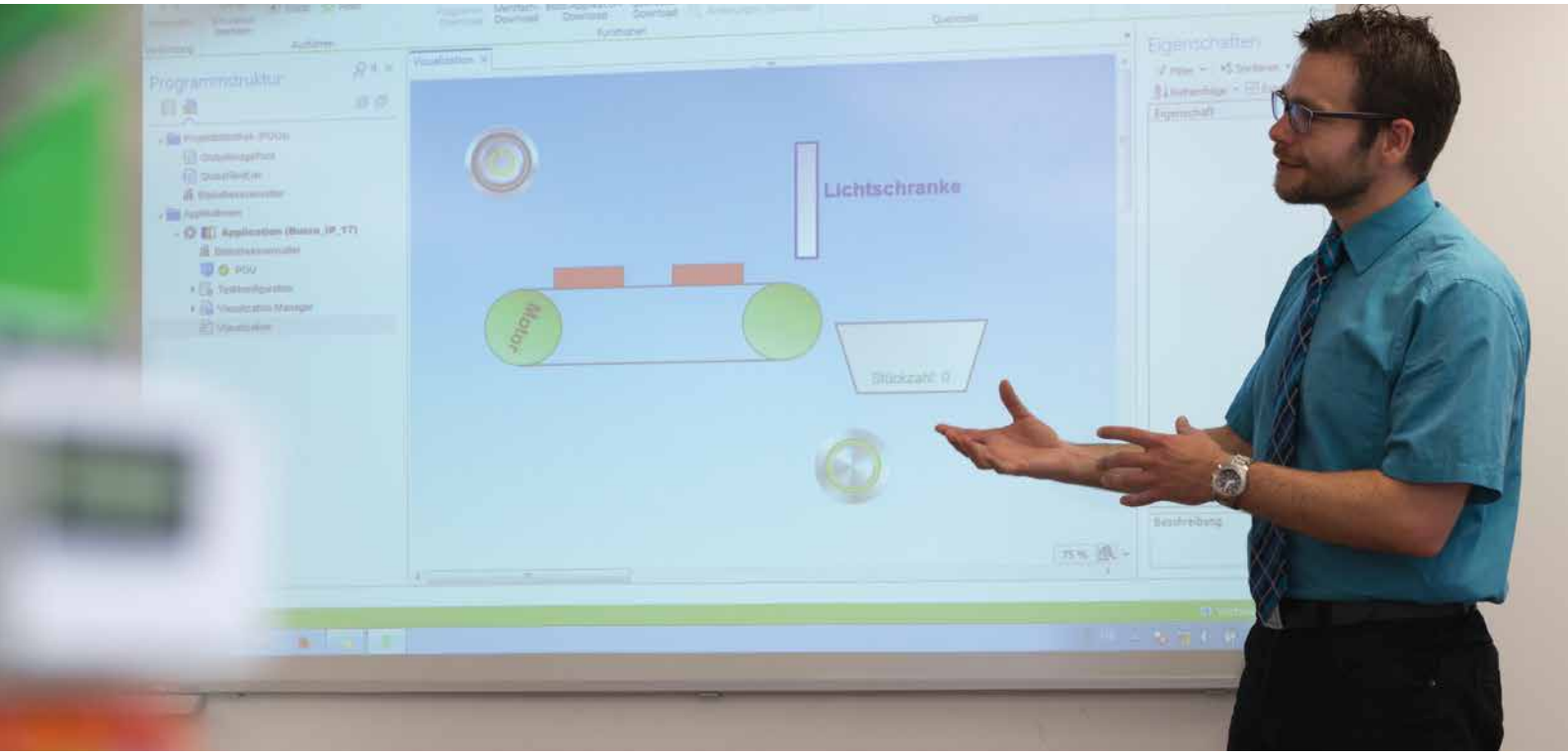
Registrierungsnummer der Urkunde: **D-PL-19704-01-00**

Frankfurt am Main, 18.12.2014

Im Auftrag Dipl.-Ing. (FH) Ralf Egner
Abteilungsleiter

Siehe Hinweise auf der Rückseite

WAGO Seminars
Learn Today – Benefit Tomorrow



Setting the Bar with Your Goals

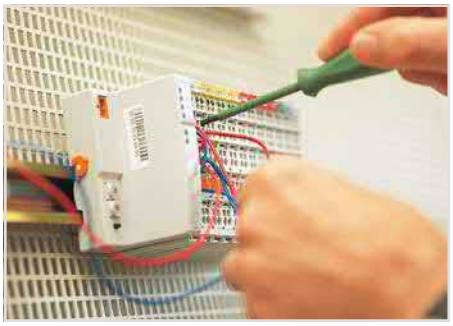
Product-Related and Customer-Specific Seminars

Small Groups

The small class sizes of WAGO training seminars ensures that no question goes unanswered and no one is overlooked.

Teamwork

Learning as a group is very effective. Ideas can be discussed and exchanged while experiences can be shared – all for the benefit of the participants.



Practical Topics

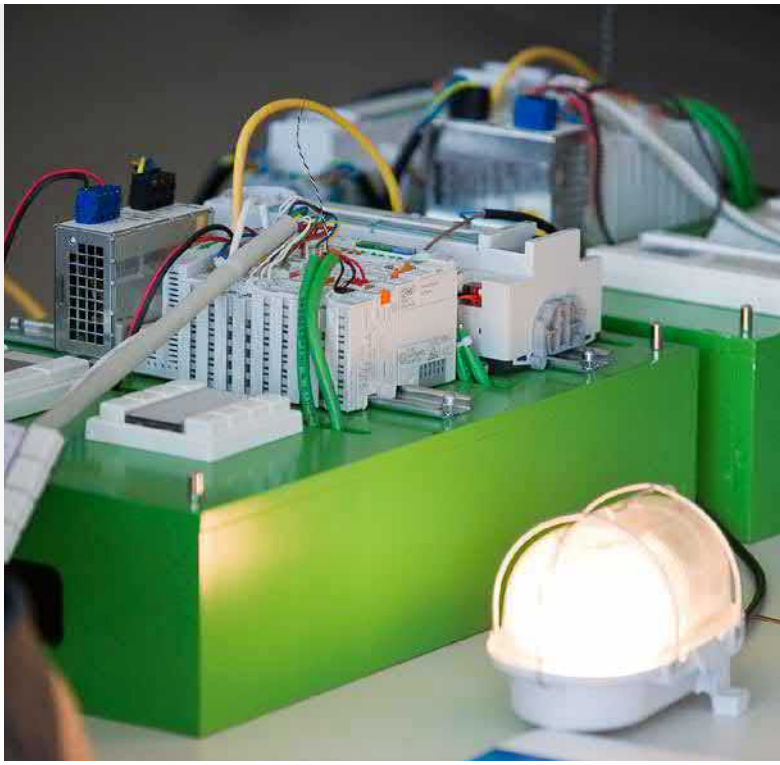
Experience has shown that practice makes perfect. This is why the focus of every WAGO training seminar is on practical, hands-on learning.

WAGO Seminars
Experience the Benefits of First-Hand Knowledge and Expertise – Straight from the Source!

Our instructors are specialists who know all the ins and outs of WAGO's products. This ensures that the time devoted to each WAGO training seminar is an effective investment in expanding your own expertise.

Request your registration form by e-mail:
training@wago.com

Contact your local WAGO office.



Product-Related Seminars

We regularly offer product-related seminars on the following topics:

- Building and industrial automation
- Programming of automation components
- Fieldbus systems

Current Seminars: www.wago.com

Customer-Specific Seminars

In addition to these "open" seminars, we also offer seminars specially tailored to your organization and its particular needs. that are specifically tailored to your organization.

Upon request, we can also conduct these seminars at your location.

Special Corporate Seminars

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