WAGO Pluggable Connection System *WINSTA*®

Full Line Catalog, Volume 5 – Edition 2021/2022

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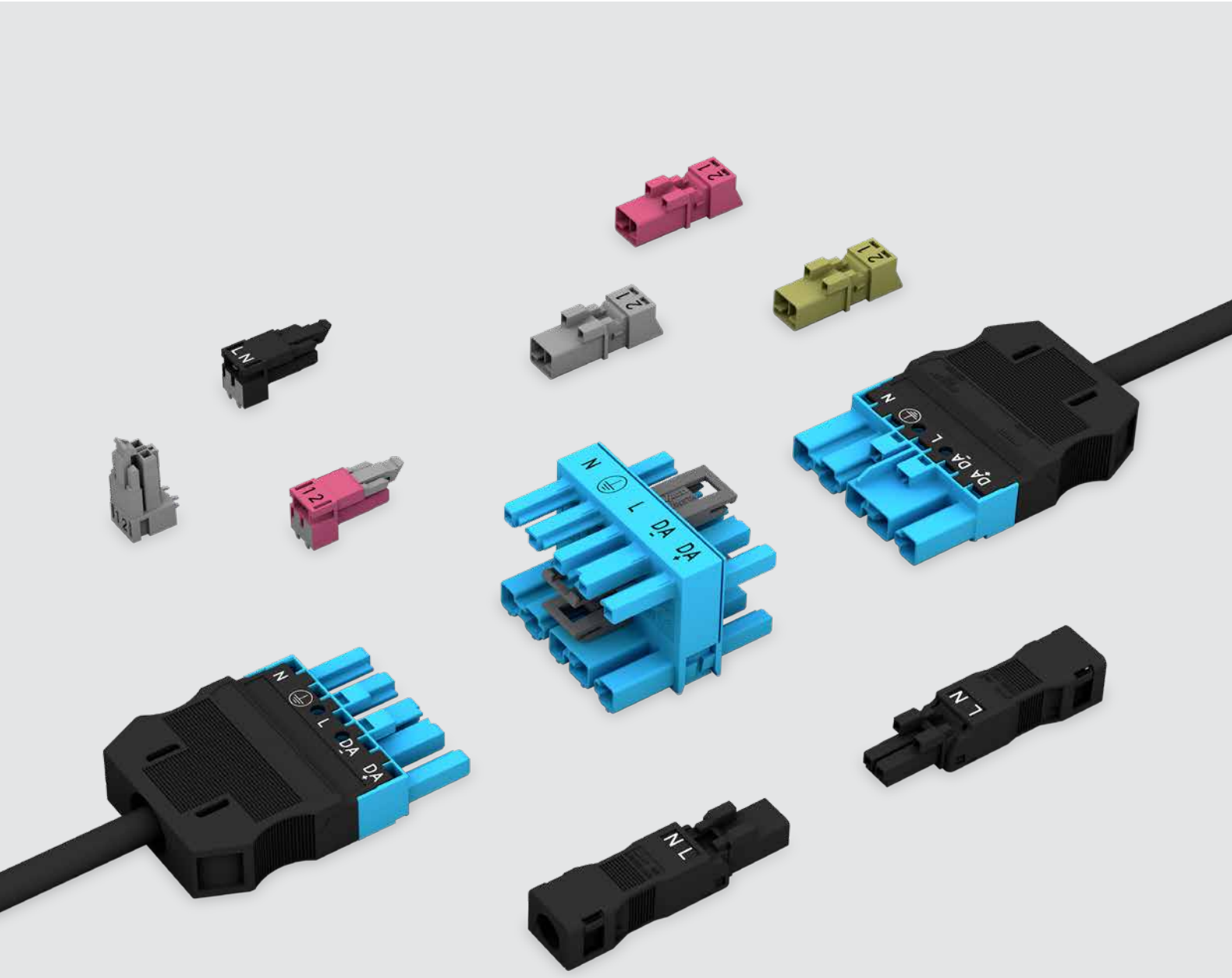

WAGO Full Line Catalogs

Volume 1, WAGO Rail-Mount Terminal Blocks and Connectors

- 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 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, Edge Devices
- Modular I/O-SYSTEM IP20, I/O-SYSTEM IP67
- 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
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- Terminal Block Marking
- 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*® 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	121
	WAGO Pluggable Connection System *WINSTA*® MAXI 831 Series; 5-Pole Pluggable connectors	**6 mm²; 35 A**	281
	WAGO Pluggable Connection System *WINSTA*® RD 774 Series; 3- and 4-Pole Cable assemblies	**2.5 mm²; 20 A**	287
	WAGO Pluggable Connection System *WINSTA*® KNX 893/894 Series; 2-Pole Pluggable connectors, snap-in device connectors, distribution connectors, cable assemblies	**0.8 mm Ø; 3 A**	303
	WAGO Pluggable Connection System *WINSTA*® IDC 772/893/895/896/897 Series Supply and tap-off modules, flat cables	**16 mm²; 76 A**	317
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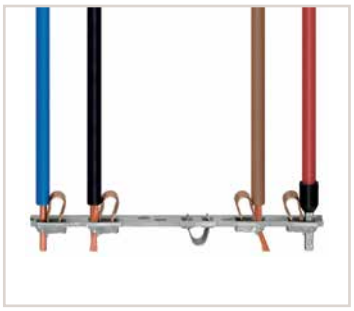
Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

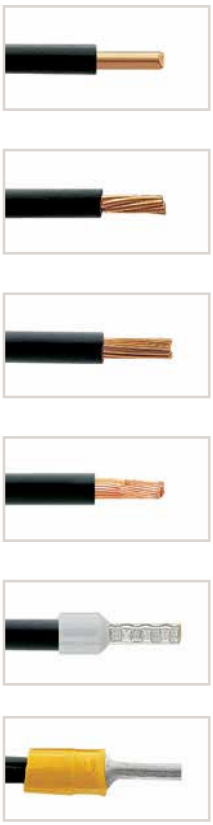
PUSH-IN CAGE CLAMP®



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

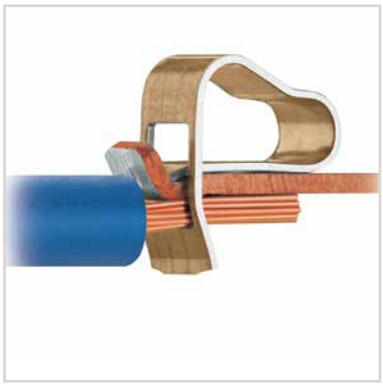
fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

fine-stranded, with ferrule (gastight crimped)

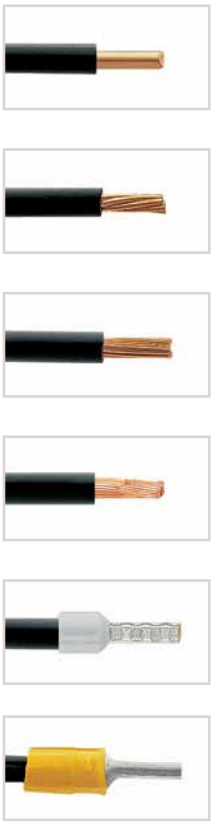
fine-stranded, with pin terminal (gastight crimped)

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

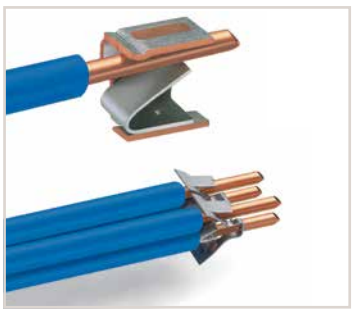
fine-stranded, also with tinned single strands

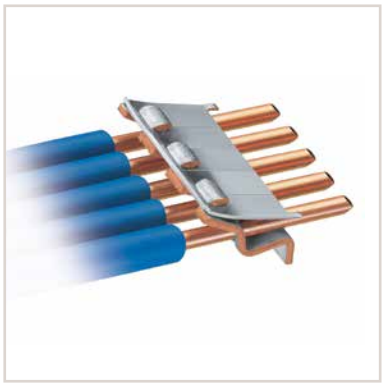
fine-stranded, with ferrule (gastight crimped)

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*® MIDI**

***WINSTA*® MIDI Linect®**

***WINSTA*® MAXI**

***WINSTA*® RD**

***WINSTA*® KNX**

***WINSTA*® IDC**

Comprehensive WAGO Project Support:

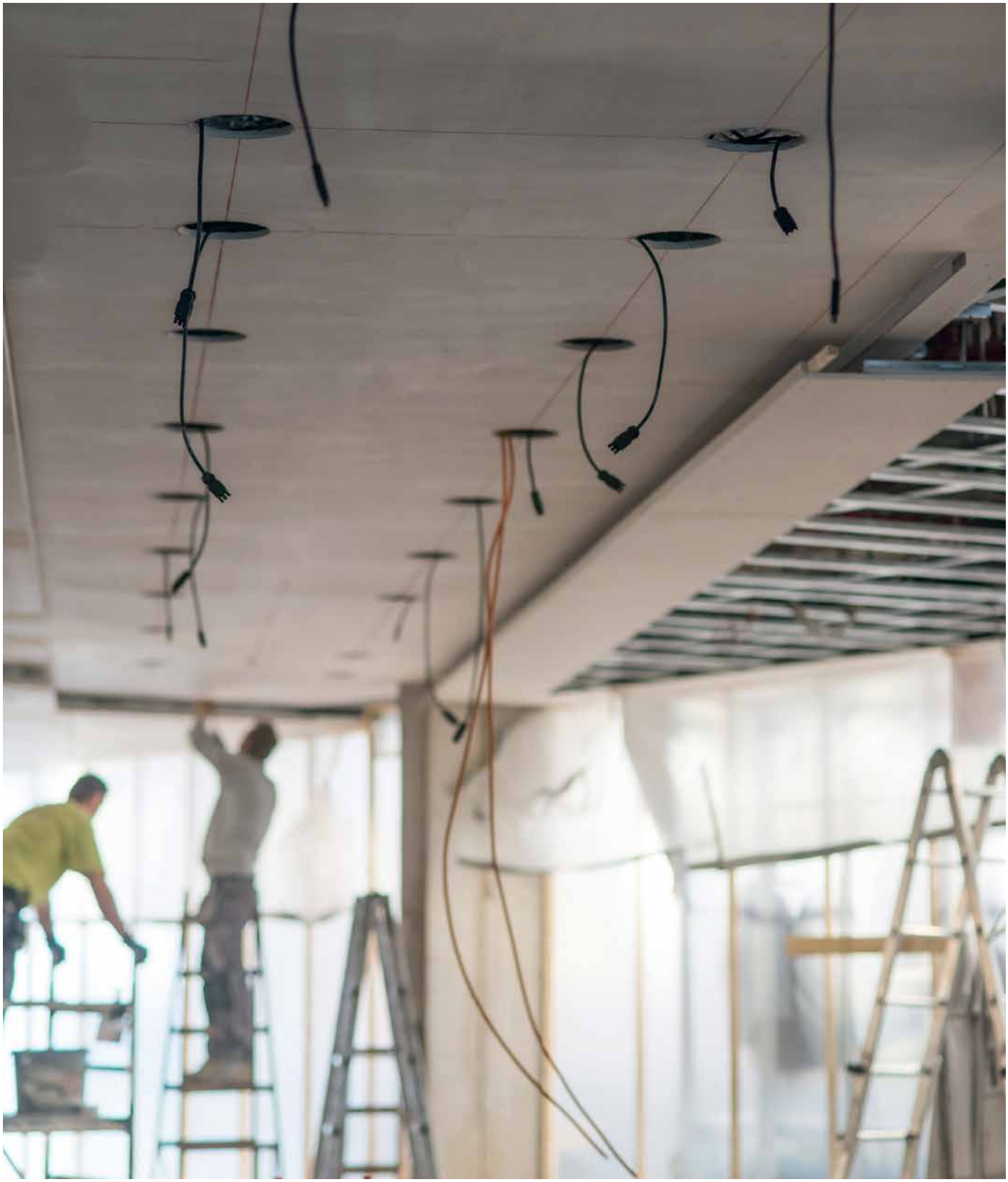
WAGO offers consulting and project planning services to help devise the best possible solution for your project. Our experienced team of professionals will gladly help you implement your project with our products.

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 and MIDI families with coding B 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.

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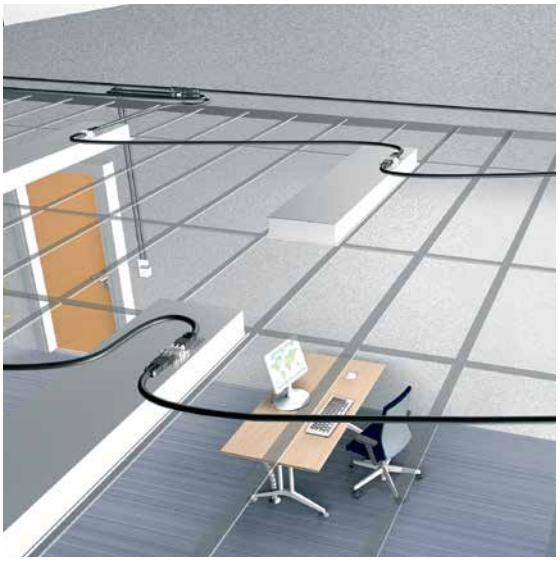

Sunblind Control

- 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

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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

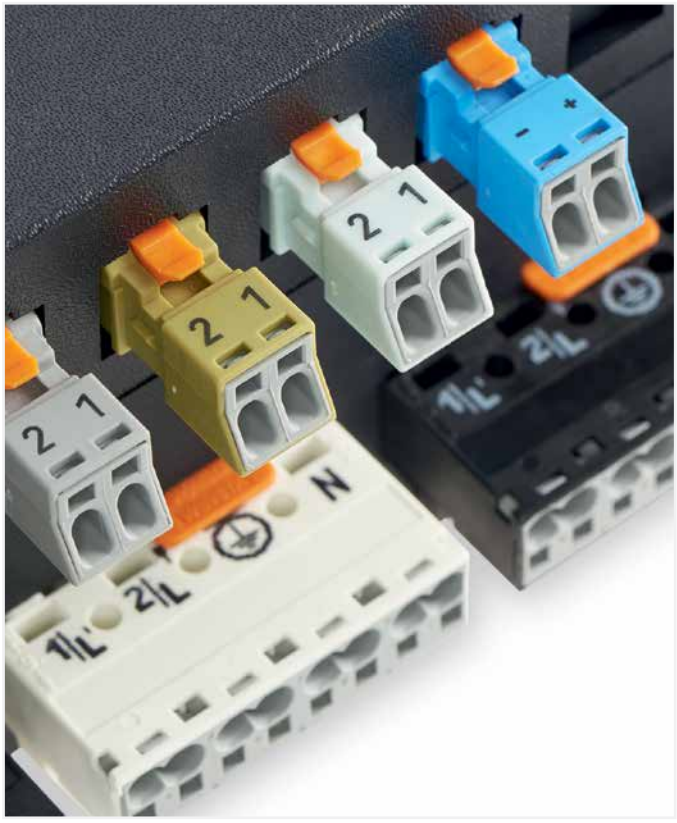
Devices and systems in homes and other private buildings have to be started and disconnected quickly and easily. This can be done at any time via touch-proof ***WINSTA***® Pluggable Connectors.

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

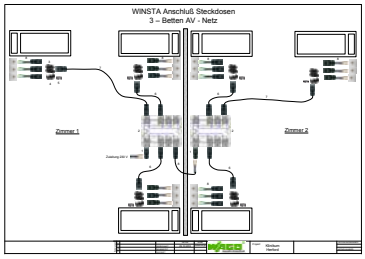
Control systems, single-room controllers, presence detectors, empty bottle return machines and more

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

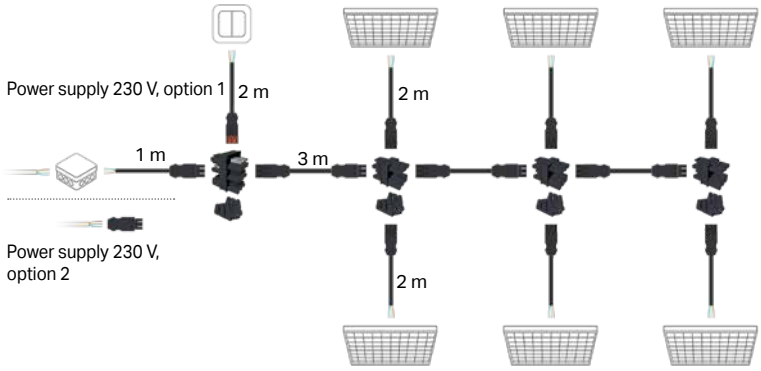
Pluggable, End-to-End Design and Installation

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.

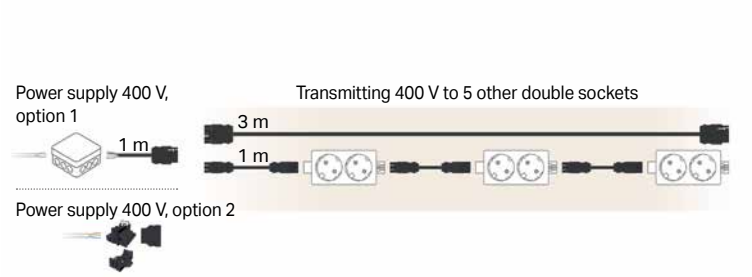
- All system partners maintain catalog articles with ***WINSTA***® Pluggable Connection Technology.
- The system partner program covers all building installation interfaces, right to the end user.
- Manufacturers that carry the ***WINSTA***® system partner logo equip their complementary products with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



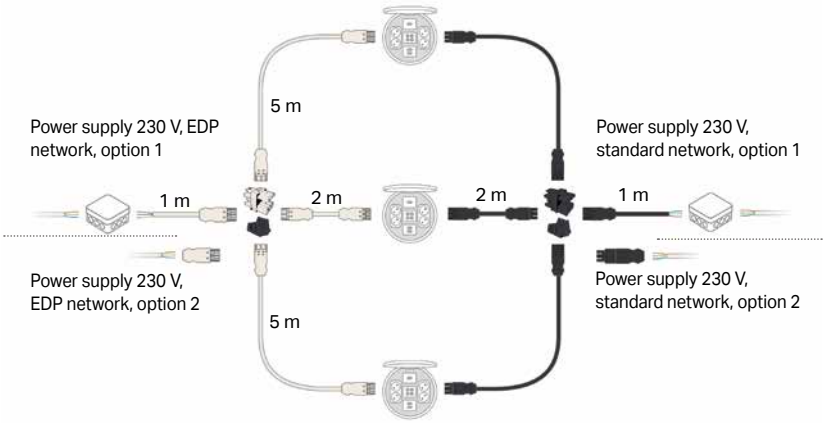
Lighting Fixtures

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



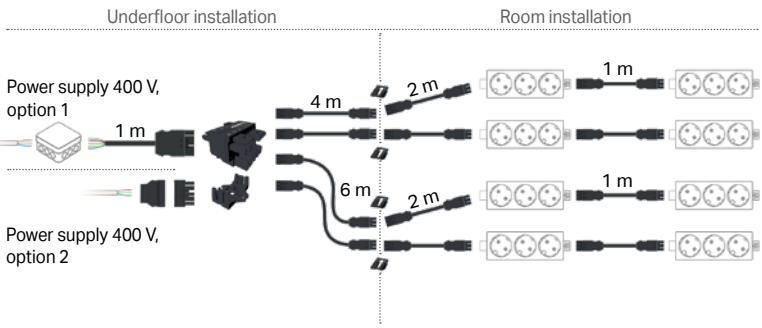
Switches/Sockets/Cable Ducts

- 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.



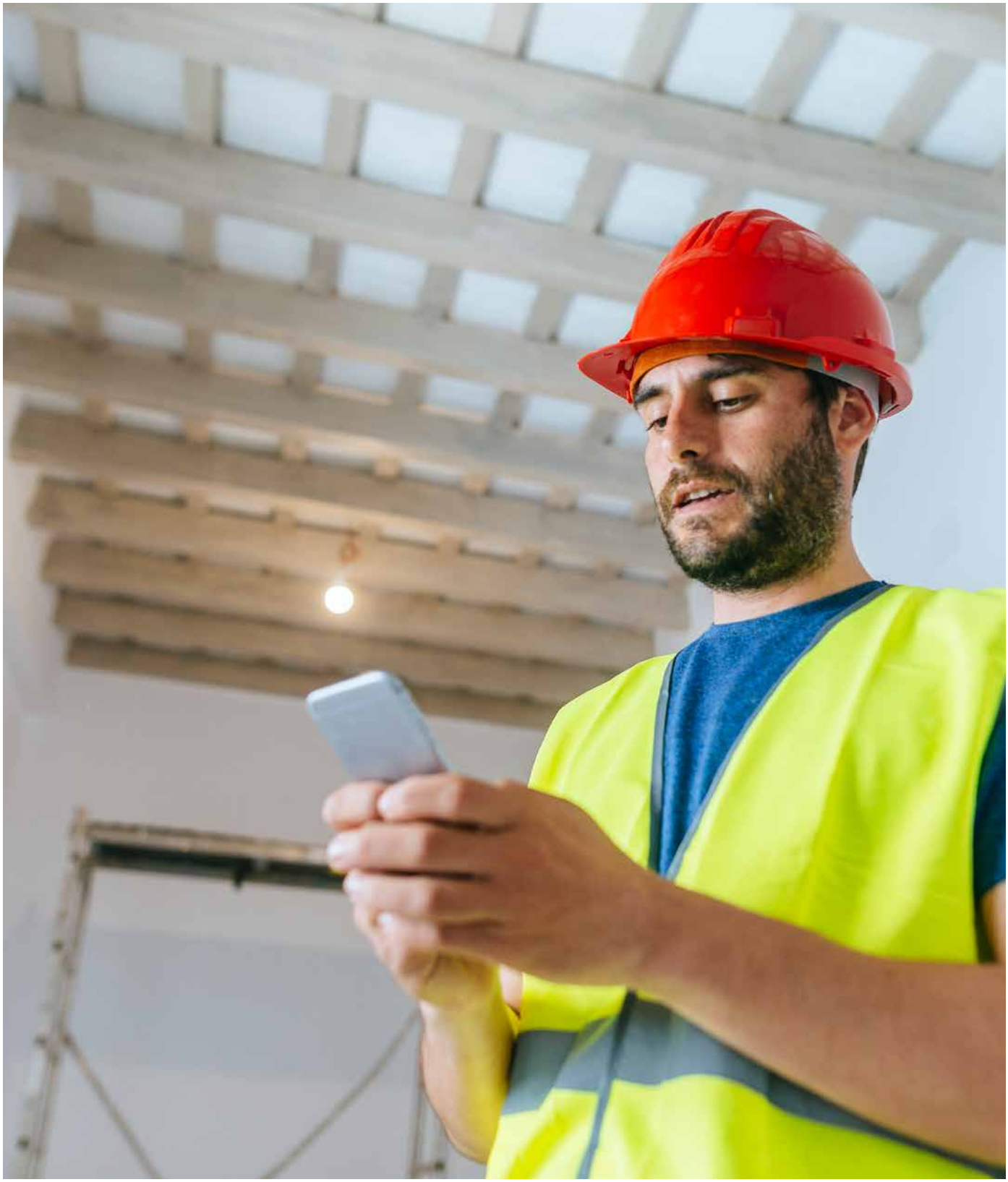
Workstation

- 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?

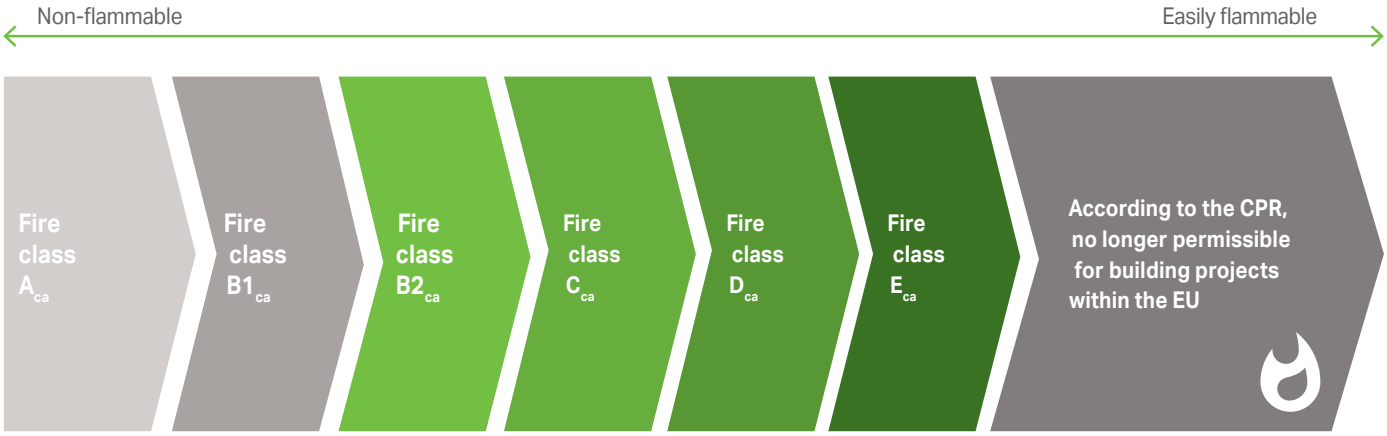
WAGO supplies cable assemblies within the ***WINSTA***® product range. These cable assemblies are construction product-compliant, as they are designed according to standards for permanent installation in buildings, but are not covered by a uniform standard under the CPR. The scope of hEN 50575 only includes 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 with coding B from the ***WINSTA***® MINI and ***WINSTA***® MIDI 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)?

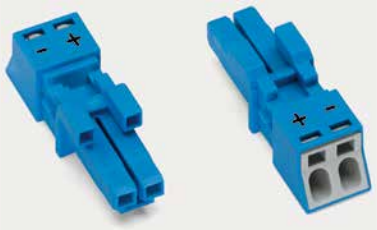
The minimum cable cross section must be adapted to the connected load. More protection measures are only required if the cable with the reduced cross section is longer than 3 m; see VDE 0100 – 430.

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.
- B-Coded components from the WINSTA® MINI series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984.

	Page
Pluggable Connectors, 890 Series	
2-pole	30
3-pole	54
4-pole	76
5-pole	98

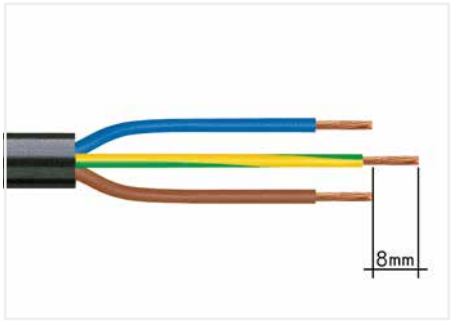
Snap-In Device Connectors, 890 Series	
2-pole	34
3-pole	58
4-pole	80
5-pole	102

Pluggable PCB Connectors, 890 Series	
2-pole	36
3-pole	60
4-pole	82
5-pole	104

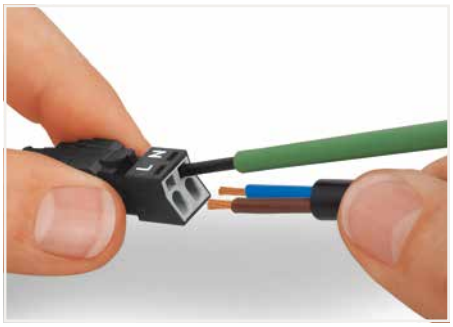
Distribution Connectors, 890 Series	
2-pole	40
3-pole	64
4-pole	86
5-pole	108

Cable Assemblies, 891 Series	
2-pole	44
3-pole	68
4-pole	92
5-pole	112

WINSTA® MINI ▸ 890, 891 Series
Installation

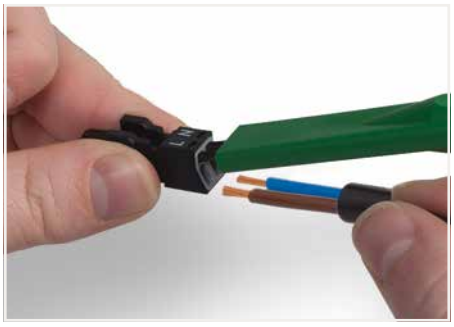


1. Strip length, outer insulation = x mm ❶
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

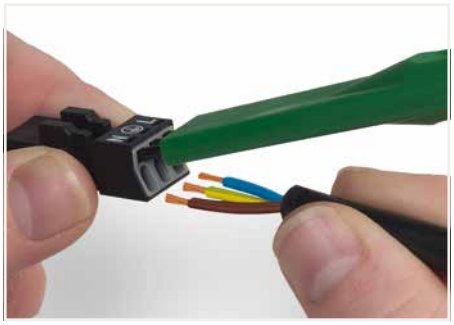


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.
Terminate solid conductors by simply pushing them in.

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

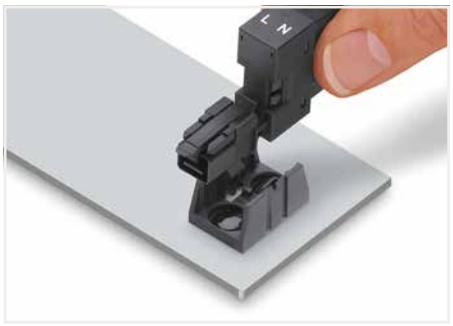


To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.



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.

PUSH-IN CAGE CLAMP®

WINSTA® MINI ▸ Coding: B ▸ 890, 891 Series
Description and Installation

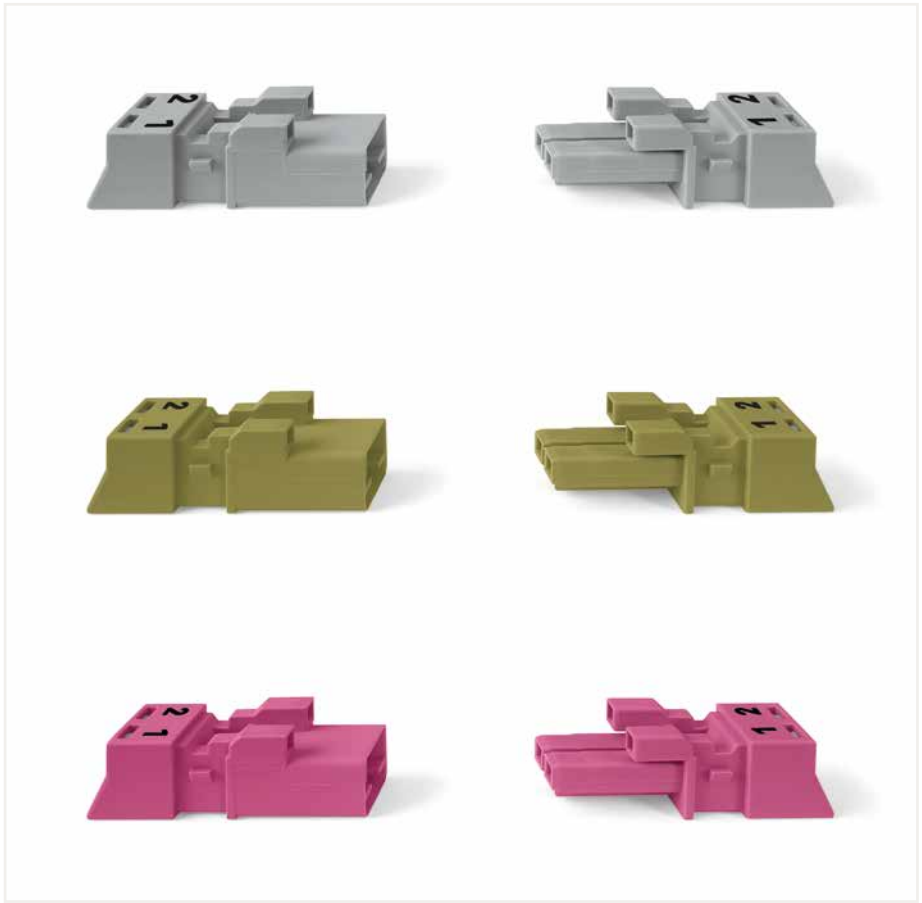
Gray, B-coded connector with "3 2 1" marking, e.g., control signal (A circuit)

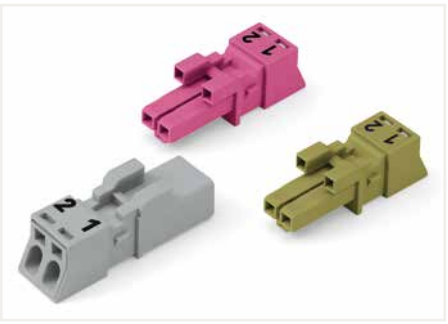
Easy circuit identification via different marking and colors

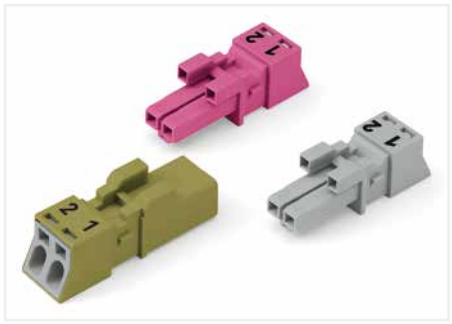
B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

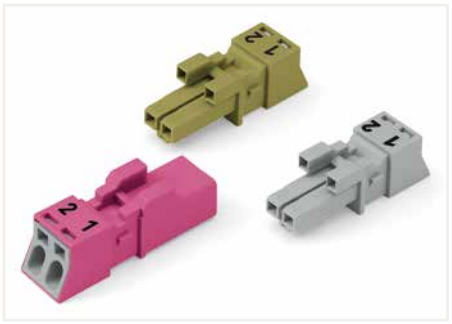
Light green, B-coded connector with "3 2 1" marking, e.g., DC power supply (24 V circuit)

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 pluggable connectors, see page 26.

Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 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
- When assembled the installation connectors complies with IP40 and are suitable for easily accessible areas

Electrical Data				
Coding	A;B;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	-	-	
Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Tool Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

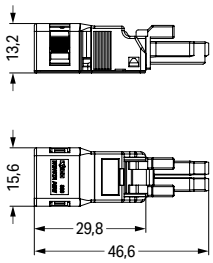
Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 2

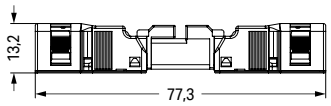
Strain relief housing, short ▸ Female connector/socket ▸ Strip length (outer insulation): 17.5 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection class: IP40

890-202/342-000

General mains applications

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





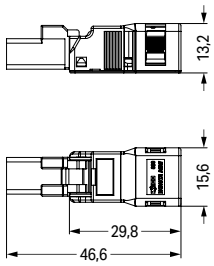
Overall length when mated

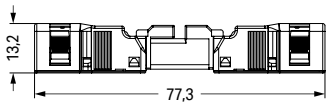
Strain relief housing, short ▸ Male connector/plug ▸ Strip length (outer insulation): 17.5 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection class: IP40

890-212/342-000

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L N	890-212/342-000	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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 2

Color	Item No.	PU
green	890-382	1

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

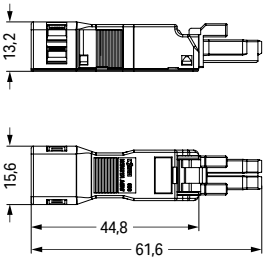
Pluggable Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 2

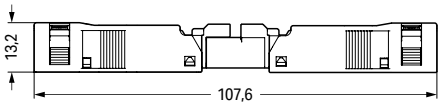
1

Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 32 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection class: IP40

890-102

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	890-102	50
white	A	L N	890-122	50



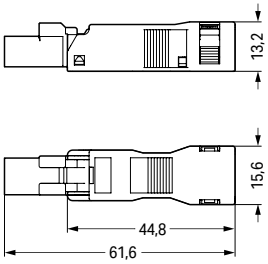


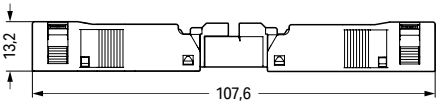
Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 32 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection class: IP40

890-112

General mains applications				
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 carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 2		
Color	Item No.	PU
green	890-382	1

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

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

Female connector/socket ▸ Protection class: IP20; IP40 with strain relief housing

890-202

Male connector/plug ▸ Protection class: IP20; IP40 when mated with strain relief housing

890-212

General mains applications

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

General mains applications

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

Measurement and regulation technology

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	1 2	890-282	50
pink	B	I+ I-	890-282/080-000	50
pink	B	+ -	890-282/082-000	50

Measurement and regulation technology

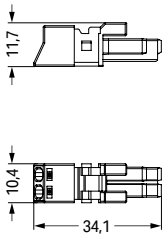
Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-252	50
gray	B	L N	890-252/060-000	50
light green	B	1 2	890-272	50
pink	B	1 2	890-292	50
pink	B	I+ I-	890-292/080-000	50
pink	B	+ -	890-292/082-000	50

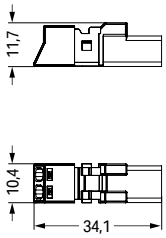
DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1102	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 2

Color	Item No.	PU
green	890-382	1

Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length (outer insulation): 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 (outer insulation): 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
Pole No.: 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.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

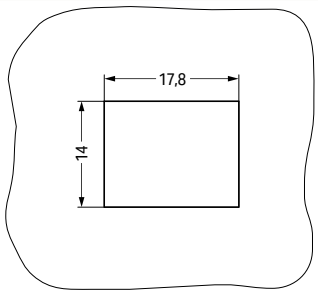


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data			
Coding	A;B;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	-	-
Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Tool Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Snap-in Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 2

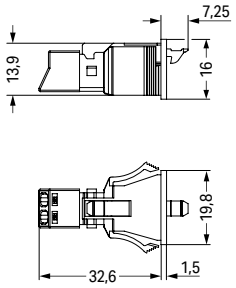
Female connector/socket ▸ Protection class: IP40

890-702

General mains applications				
Color	Coding	Marking	Item No.	PU (SPU)
black	A	L N	890-702	50 (50)
white	A	L N	890-722	50 (50)

Measurement and regulation technology				
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	1 2	890-782	50 (50)
pink	B	I+ I-	890-782/080-000	50 (50)
pink	B	+ -	890-782/082-000	50 (50)

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU (SPU)
blue	I	+ -	890-2102	50 (50)



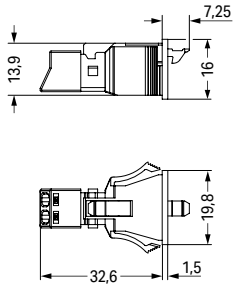
Male connector/plug ▸ Protection class: IP20; IP40 when mated

890-712

General mains applications				
Color	Coding	Marking	Item No.	PU (SPU)
black	A	L N	890-712	50 (50)
white	A	L N	890-732	50 (50)

Measurement and regulation technology				
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	1 2	890-792	50 (50)
pink	B	I+ I-	890-792/080-000	50 (50)
pink	B	+ -	890-792/082-000	50 (50)

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU (SPU)
blue	I	+ -	890-2112	50 (50)



Accessories; for all products on this page

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 2		
Color	Item No.	PU
green	890-382	1

Lockout cap; for cutout; Pole No.: 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
Pole No.: 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.
- Low profile with 4.4 mm pole spacing

Electrical Data				
Coding	A;B;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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
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 with 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	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

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

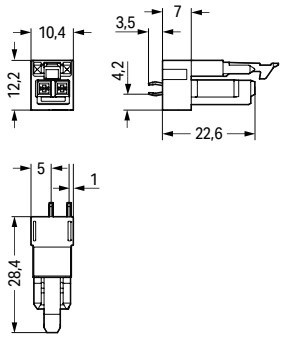
straight ▸ Female connector/socket

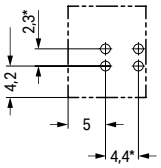
890-802

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	890-802	100
white	A	L N	890-822	100

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-3102	100





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

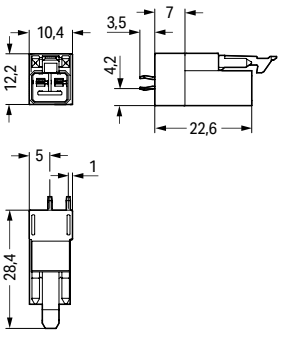
straight ▸ Male connector/plug

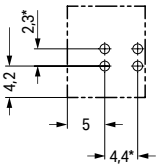
890-812

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	890-812	100
white	A	L N	890-832	100

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
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
Pole No.: 2

1

angled ▸ Female connector/socket

890-802/011-000

angled ▸ Male connector/plug

890-812/011-000

General mains applications

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

General mains applications

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

Measurement and regulation technology

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

Measurement and regulation technology

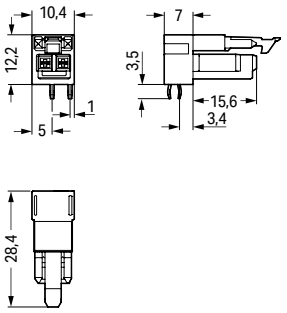
Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-852/011-000	100
light green	B	1 2	890-872/011-000	100
pink	B	1 2	890-892/011-000	100

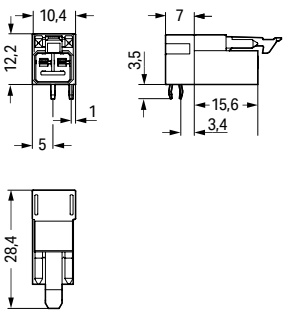
DALI, Lighting Management

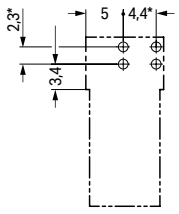
Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-3102/011-000	100

DALI, Lighting Management

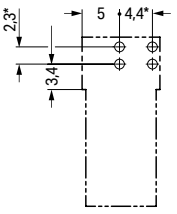
Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-3112/011-000	100







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



* ± 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
Pole No.: 2 ▸ Protection class: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical Data				
Coding	A;B;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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP40 when mated

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 2 ▸ Protection class: IP20; IP40 when mated

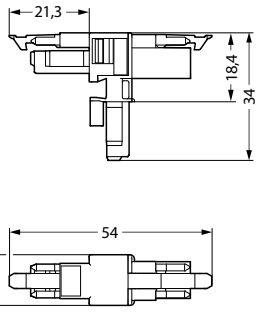
T-distribution connector ▸ Number of locking levers: 2

890-1606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	890-1606	25
white	A	L N	890-1656	25

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1617	25



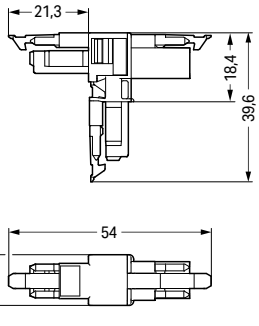
T-distribution connector ▸ Number of locking levers: 3 ▸ for flying leads

890-1606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	890-1615	25
white	A	L N	890-1665	25

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1620	25



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

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 2 ▸ Protection class: IP20; IP40 when mated

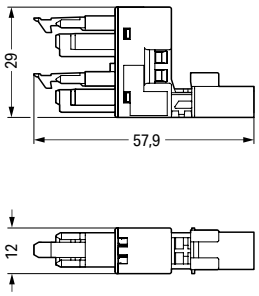
1

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

890-1634

General mains applications

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

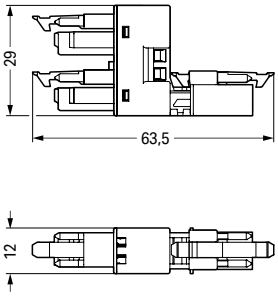


h-distribution connector (unidirectional) ▸ Number of locking levers: 3 ▸ for flying leads

890-1634

General mains applications

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 connectors (except T-distribution connectors); 2-pole

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

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

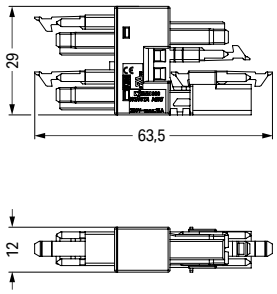
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 2 ▸ Protection class: IP20; IP40 when mated

Distribution connector, 3-way,

890-1904

DALI, Lighting Management

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

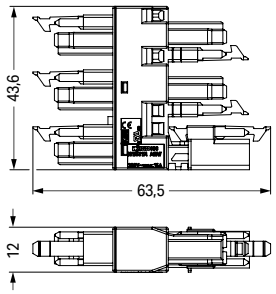


Distribution connector (5-way)

890-1907

DALI, Lighting Management

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



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

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
Pole No.: 2 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical Data						
Coding	**A;B**			**A;B;I**		
Wire cross-section	**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	-	-

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

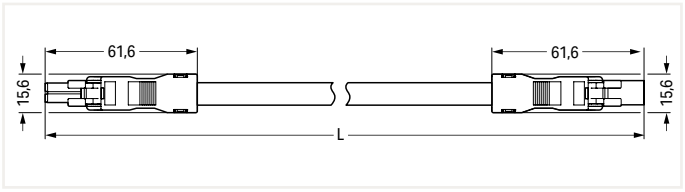
Cables with a different fire class can be found in the eShop.

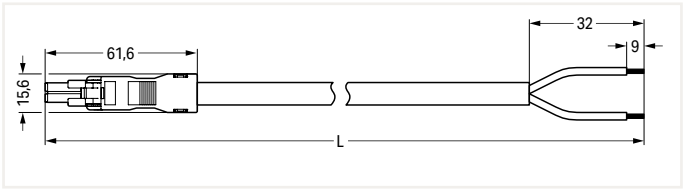
See technical section for further information

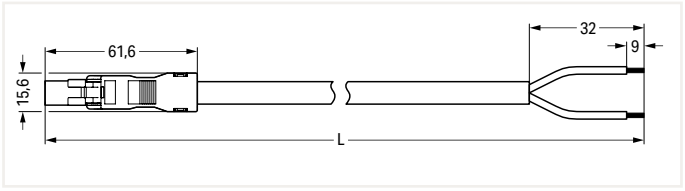
For approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L N ▸ PVC ▸ Sheathed cable diameter: 5.9 … 7.5 mm ▸ H05VV-F 2x1 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

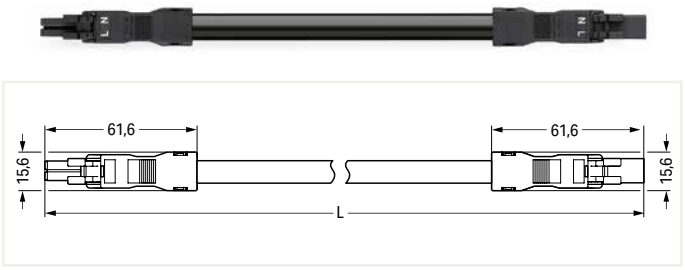
Mounting carrier; for flying leads; 2- to 5-pole

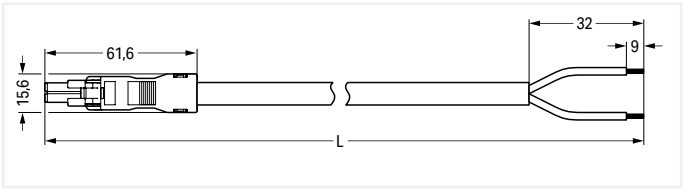
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

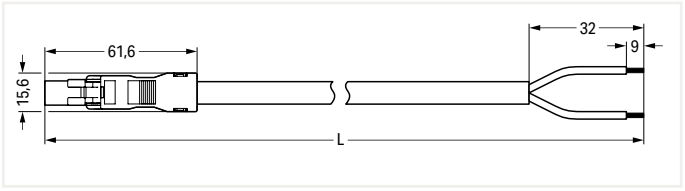
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L N ▸ Halogen-free ▸ Sheathed cable diameter: 5.9 … 7.5 mm ▸ H05Z1Z1-F 2x1 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated				
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 ▸ Protection class: IP40				
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 ▸ Protection class: IP20; IP40 when mated				
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)

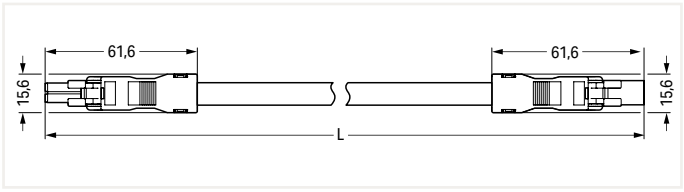
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

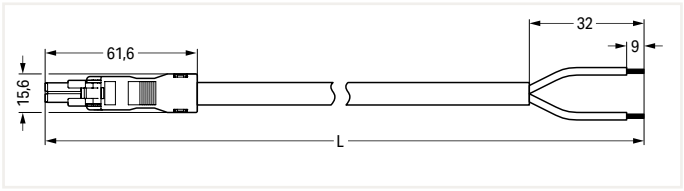
Mounting carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
black	890-310	100
white	890-311	100

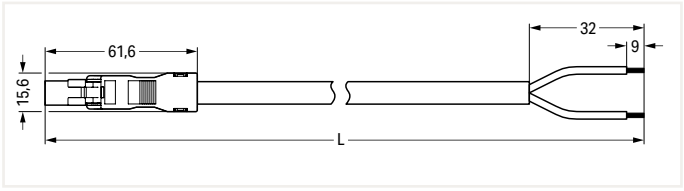
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ PVC ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

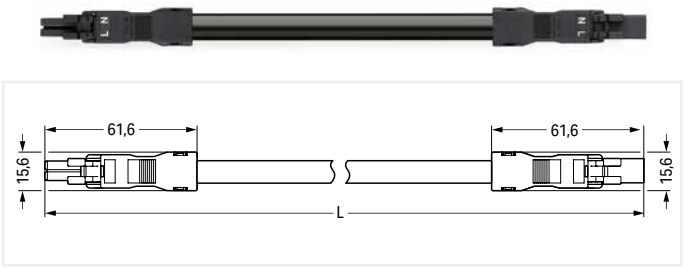
Mounting carrier; for flying leads; 2- to 5-pole

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

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

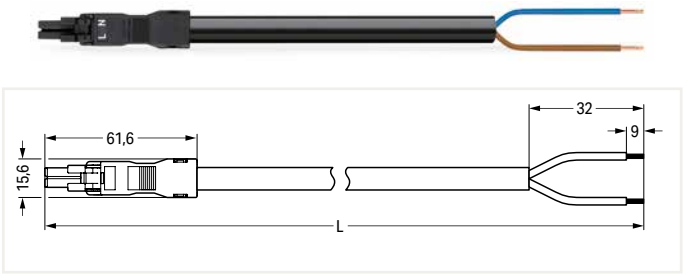
Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ Halogen-free ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5 ▸ General mains applications



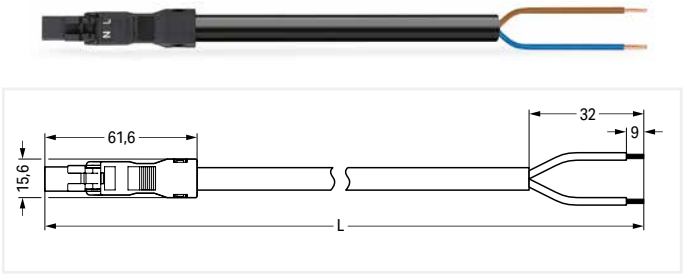
Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

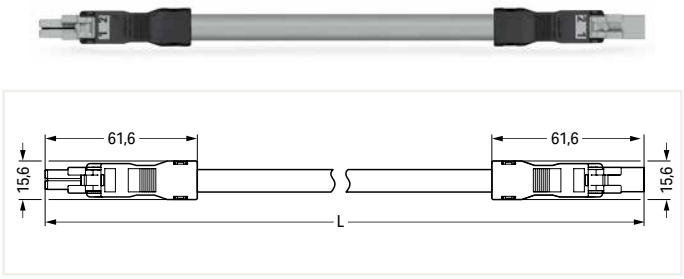
Mounting carrier; for flying leads; 2- to 5-pole

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

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

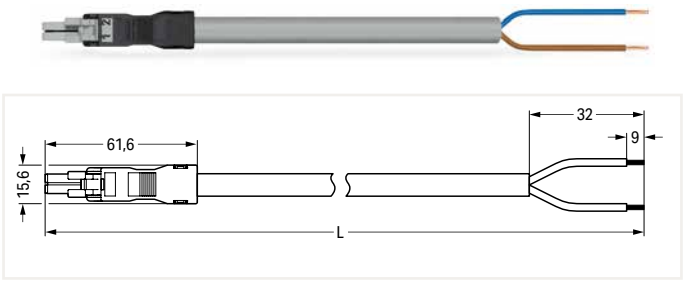
Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 ▸ PVC ▸ Sheathed cable diameter: 5.9 … 7.5 mm ▸ Control line 2 x 1 ▸ Measurement and regulation technology



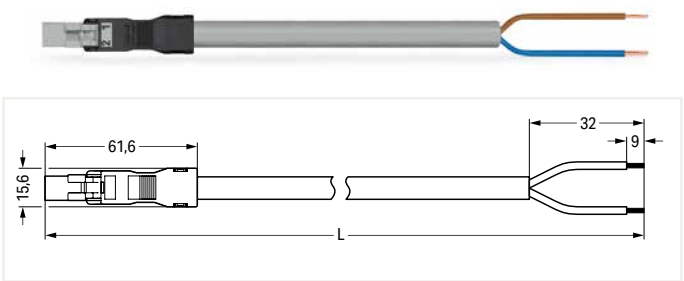
Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

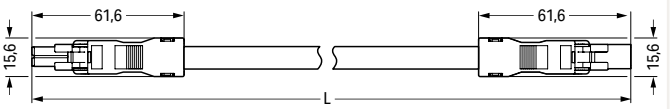
Mounting carrier; for flying leads; 2- to 5-pole

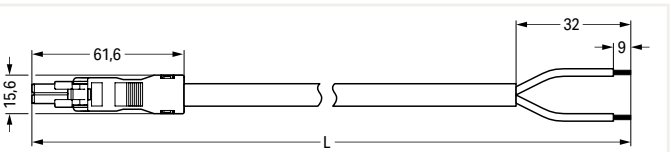
Color	Item No.	PU
black	890-310	100
white	890-311	100

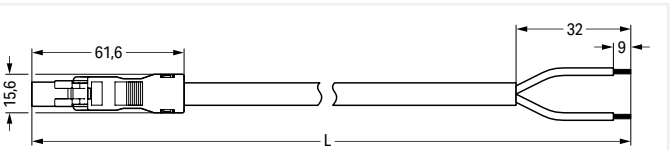
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 ▸ PVC ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ Control line 2 x 1.5 ▸ Measurement and regulation technology







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

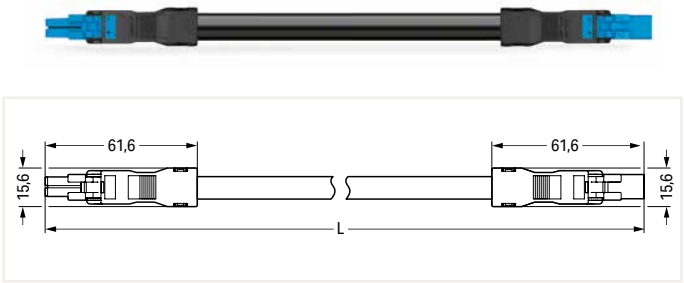
Mounting carrier; for flying leads; 2- to 5-pole

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

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

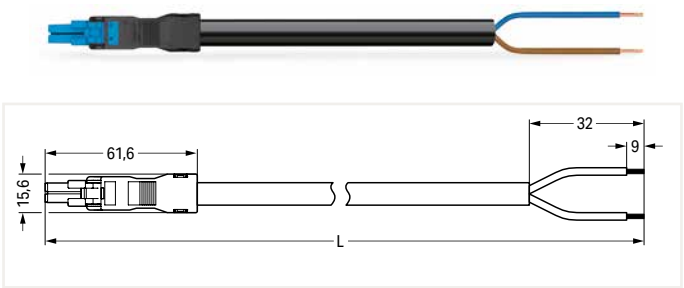
Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: + - ▸ PVC ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5 ▸ DALI, Lighting Management



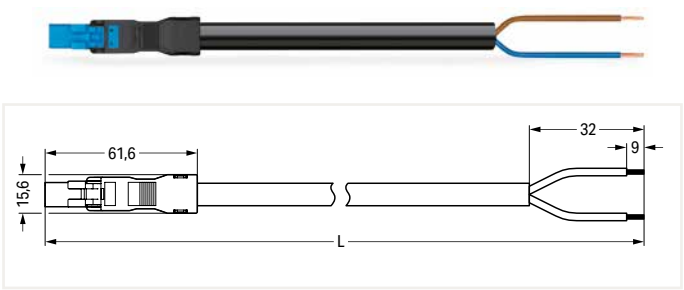
Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

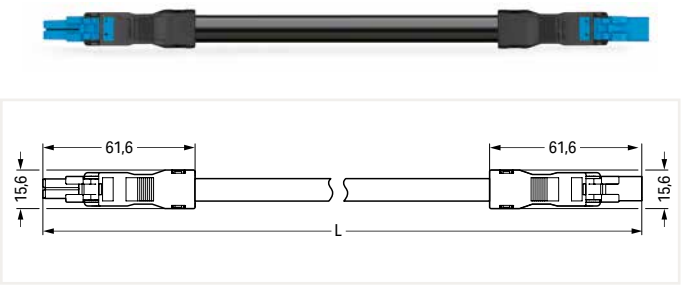
Mounting carrier; for flying leads; 2- to 5-pole

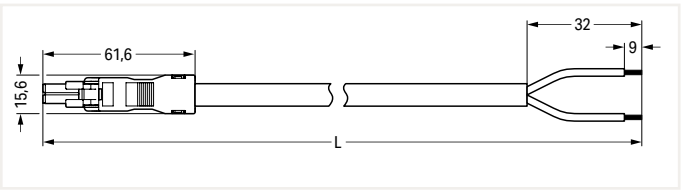
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

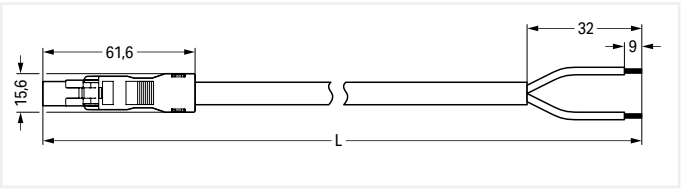
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: + - ▸ Halogen-free ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5 ▸ DALI, Lighting Management







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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 carrier; for flying leads; 2- to 5-pole

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
Pole No.: 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
- When assembled the installation connectors complies with IP40 and are suitable for easily accessible areas

Electrical Data				
Coding	A;B			
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	-	-	
Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Shield termination Page 375
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See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

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

Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 40 mm ▸ Connectable sheathed cable diameter: 4.5 … 10 mm ▸ Protection class: IP40

890-103

Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 40 mm ▸ Connectable sheathed cable diameter: 4.5 … 10 mm ▸ Protection class: IP40

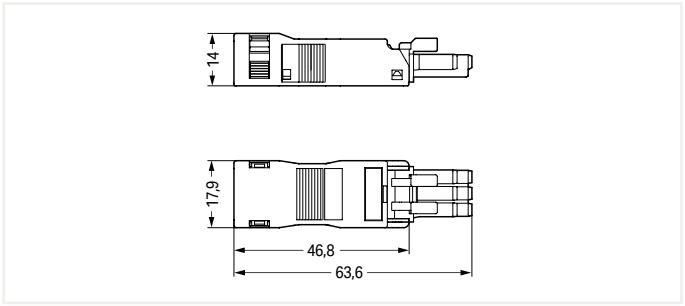
890-113

General mains applications

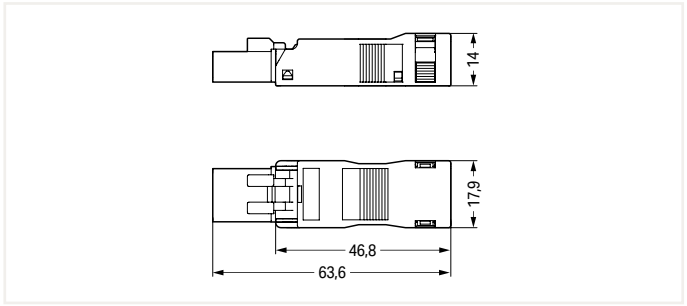
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-103	50
white	A	L ⏚ N	890-123	50

General mains applications

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



Overall length when mated



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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 3

Color	Item No.	PU
green	890-383	1

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

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

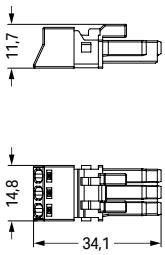
1

Female connector/socket ▸ Protection class: IP20; IP40 with strain relief housing

890-203

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-203	50
white	A	L ⏚ N	890-223	50

Measurement and regulation technology				
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 ⏚ 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

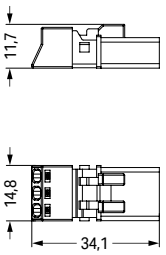


Male connector/plug ▸ Protection class: IP20; IP40 when mated with strain relief housing

890-213

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-213	50
white	A	L ⏚ N	890-233	50

Measurement and regulation technology				
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 ⏚ 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 carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
black	890-310	100
white	890-311	100

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 3		
Color	Item No.	PU
green	890-383	1

Strain relief housing; Connectable sheathed cable diameter: 4.5 … 10 mm; Strip length (outer insulation): 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
Pole No.: 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.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

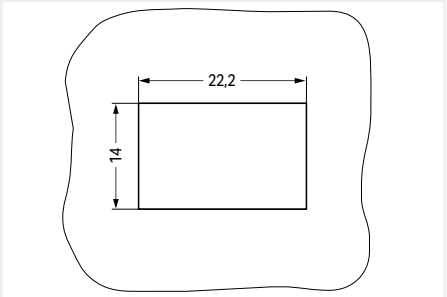


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data				
Coding	A;B			
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	-	-	
Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Tool Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

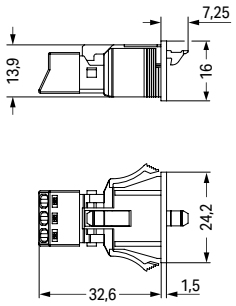
Snap-in Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 3

Female connector/socket ▸ Protection class: IP40

890-703

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

Measurement and regulation technology				
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 ⏚ 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)

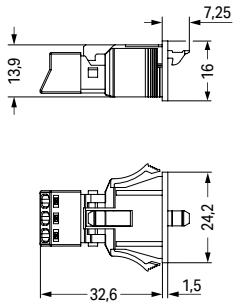


Male connector/plug ▸ Protection class: IP20; IP40 when mated

890-713

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

Measurement and regulation technology				
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 ⏚ 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 WAGO *WINSTA*® MINI Connectors; Pole No.: 3		
Color	Item No.	PU
green	890-383	1

Lockout cap; for cutout; Pole No.: 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
Pole No.: 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.
- Low profile with 4.4 mm pole spacing

Electrical Data				
Coding	**A;B**			
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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
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 with 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	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

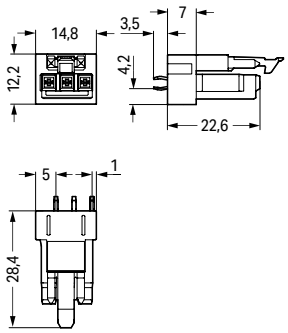
Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 3

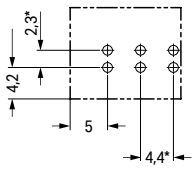
straight ▸ Female connector/socket

890-803

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

Measurement and regulation technology				
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





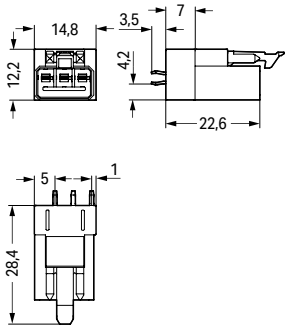
* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

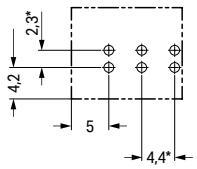
straight ▸ Male connector/plug

890-813

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

Measurement and regulation technology				
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

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

1

angled ▸ Female connector/socket

890-803/011-000

angled ▸ Male connector/plug

890-813/011-000

General mains applications

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

General mains applications

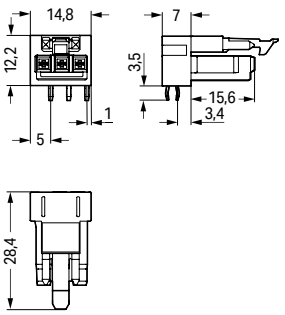
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-813/011-000	100
white	A	L ⏚ N	890-833/011-000	100

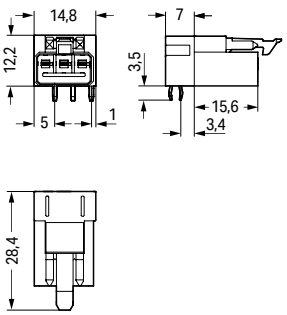
Measurement and regulation technology

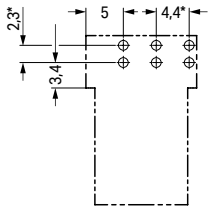
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-843/011-000	100
light green	B	1 2 3	890-863/011-000	100
pink	B	1 2 3	890-883/011-000	100

Measurement and regulation technology

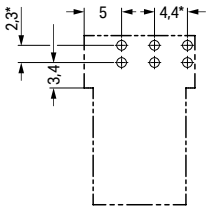
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-853/011-000	100
light green	B	1 2 3	890-873/011-000	100
pink	B	1 2 3	890-893/011-000	100







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



* ± 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
Pole No.: 3 ▸ Protection class: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical Data				
Coding	**A;B**			
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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	14 A			

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP40 when mated

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

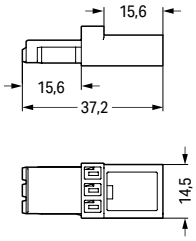
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 3 ▸ Protection class: IP20; IP40 when mated

Intermediate coupler

890-603

General mains applications

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



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

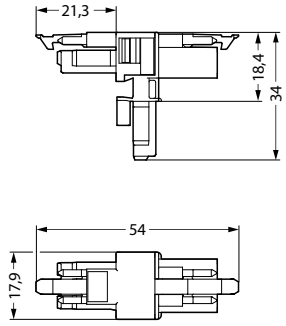
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 3 ▸ Protection class: IP20; IP40 when mated

1

T-distribution connector ▸ Number of locking levers: 2

890-606

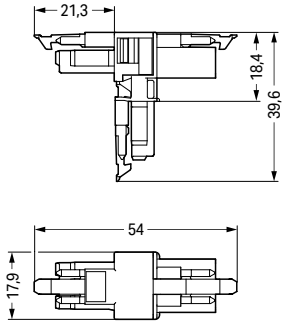
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-606	25
white	A	L ⏚ N	890-656	25



T-distribution connector ▸ Number of locking levers: 3 ▸ for flying leads

890-606

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



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

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 3 ▸ Protection class: IP20; IP40 when mated

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

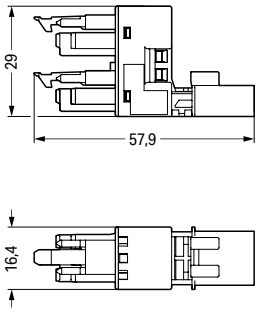
890-634

General mains applications

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

Measurement and regulation technology

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



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

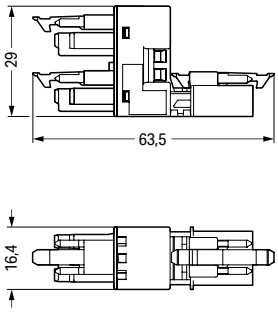
890-634

General mains applications

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

Measurement and regulation technology

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 connectors (except T-distribution connectors); 3-pole

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
Pole No.: 3 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical Data						
Coding	**A;B**			**A;B**		
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	-	-

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

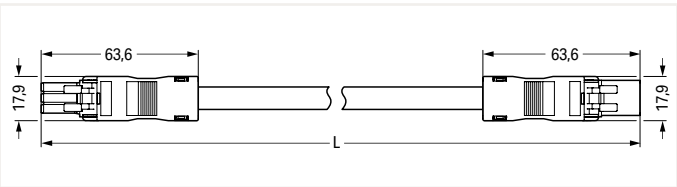
Cables with a different fire class can be found in the eShop.

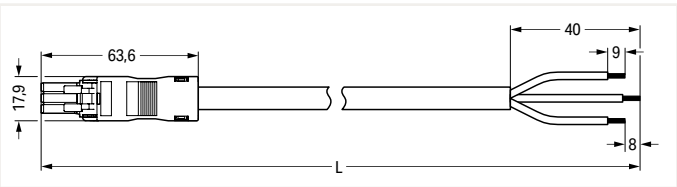
See technical section for further information

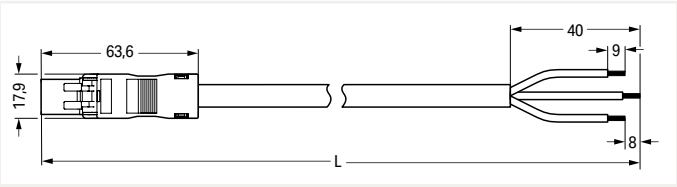
For approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed cable diameter: 6.3 … 8 mm ▸ H05VV-F 3G1 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

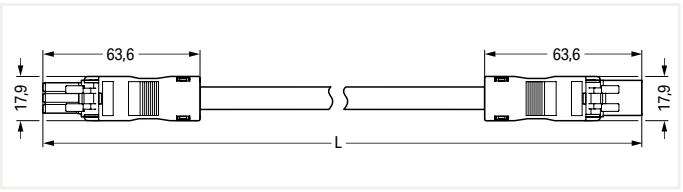
Mounting carrier; for flying leads; 2- to 5-pole

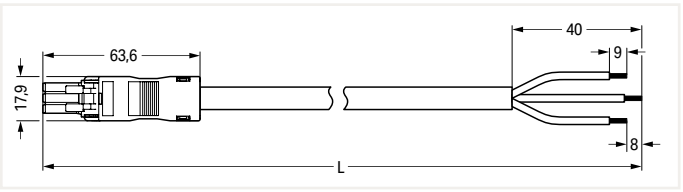
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

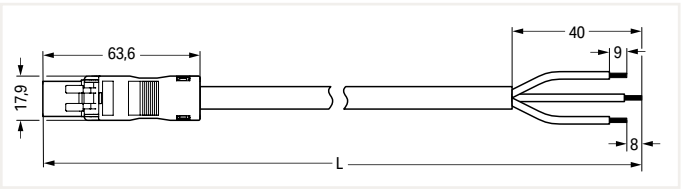
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 6.3 … 8 mm ▸ H05Z1Z1-F 3G1 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

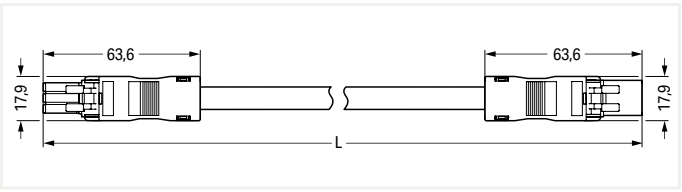
Mounting carrier; for flying leads; 2- to 5-pole

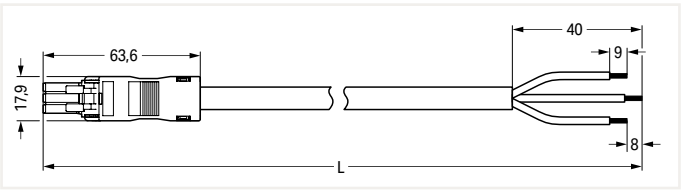
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

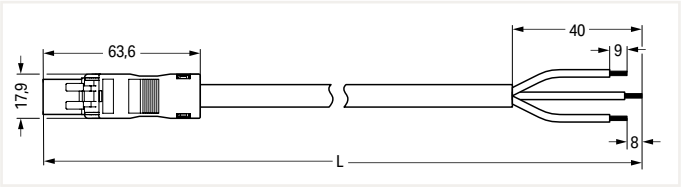
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

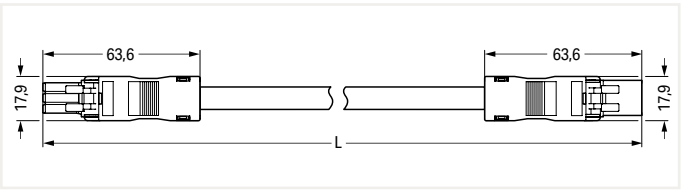
Mounting carrier; for flying leads; 2- to 5-pole

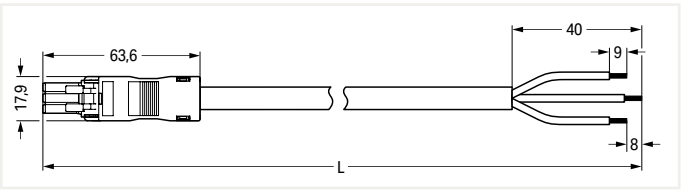
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

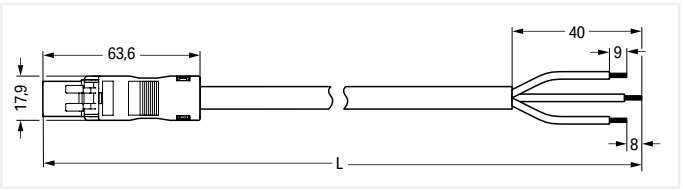
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

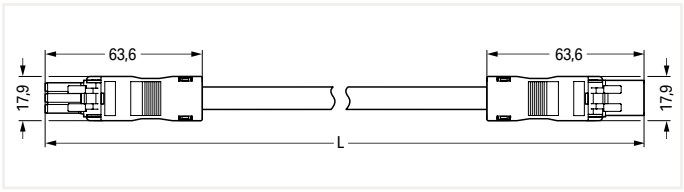
Mounting carrier; for flying leads; 2- to 5-pole

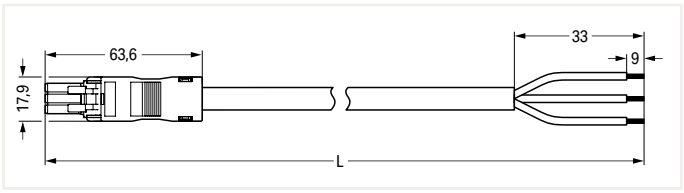
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

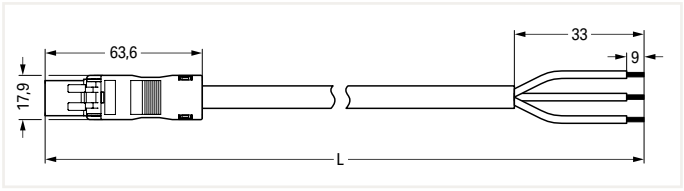
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ Sheathed cable diameter: 6.3 … 8 mm ▸ Control line 3 x 1 ▸ Measurement and regulation technology







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated				
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 ▸ Protection class: IP40				
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 ▸ Protection class: IP20; IP40 when mated				
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)

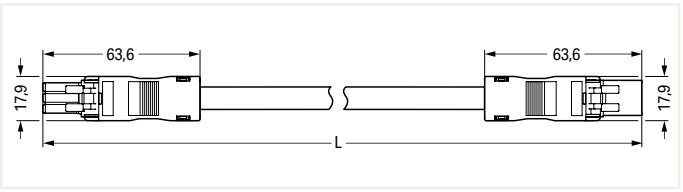
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

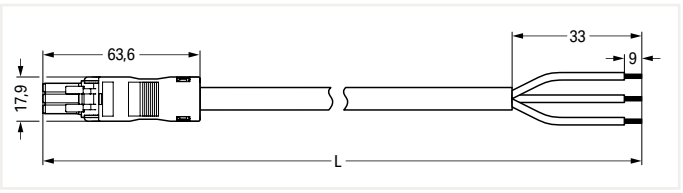
Mounting carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

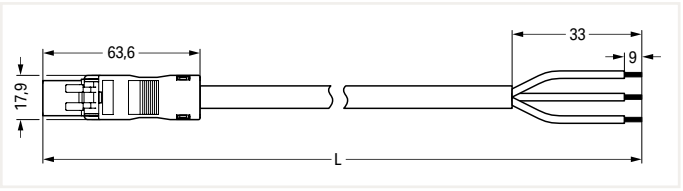
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ Control line 3 x 1.5 ▸ Measurement and regulation technology







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated				
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 ▸ Protection class: IP40				
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 ▸ Protection class: IP20; IP40 when mated				
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 carrier; for flying leads; 2- to 5-pole		
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
Pole No.: 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
- When assembled the installation connectors complies with IP40 and are suitable for easily accessible areas

Electrical Data			
Coding	A;B		
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	-	-
Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Shield termination	Page 375
Tool	Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

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

Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection class: IP40

890-104

Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection class: IP40

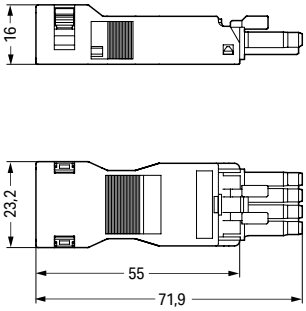
890-114

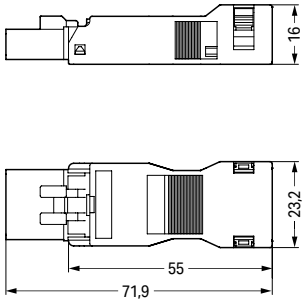
General mains applications

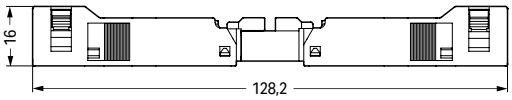
Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	890-104	50
○ white	A	N ⏚ 2/L 1/L'	890-124	50

General mains applications

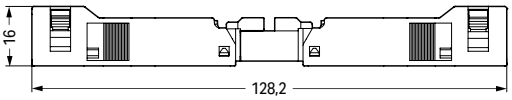
Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	890-114	50
○ white	A	N ⏚ 2/L 1/L'	890-134	50







Overall length when mated



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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 4

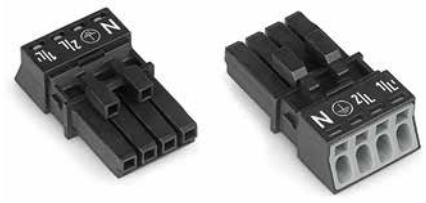
Color	Item No.	PU
● green	890-384	1

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

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

1

Female connector/socket ▸ Protection class: IP20; IP40 with strain relief housing



890-204

Male connector/plug ▸ Protection class: IP20; IP40 when mated with strain relief housing

890-214

General mains applications

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

General mains applications

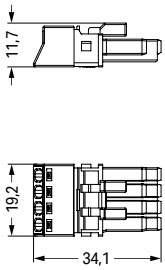
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	890-214	50
white	A	N ⏚ 2/L 1/L'	890-234	50

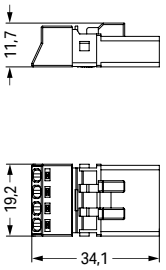
Measurement and regulation technology

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 ⏚ 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

Measurement and regulation technology

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 ⏚ 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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 4

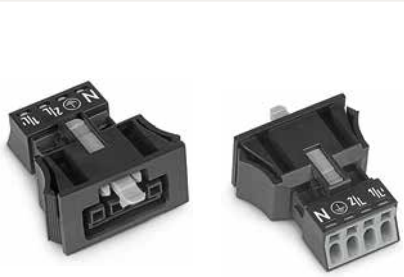
Color	Item No.	PU
green	890-384	1

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length (outer insulation): 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
Pole No.: 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.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

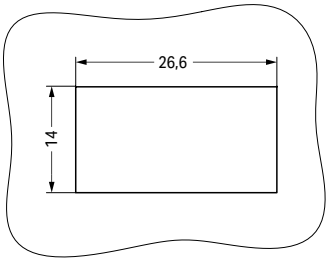


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data				
Coding	A;B			
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	-	-	
Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Tool Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Snap-in Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 4

Female connector/socket ▸ Protection class: IP40

890-704

Male connector/plug ▸ Protection class: IP20; IP40 when mated

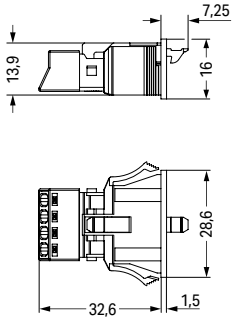
890-714

General mains applications

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)

Measurement and regulation technology

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 ⏚ 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)

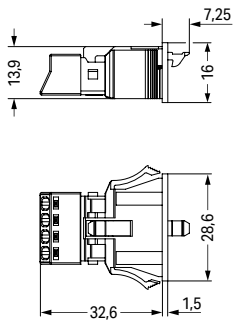


General mains applications

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)

Measurement and regulation technology

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 ⏚ 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 WAGO *WINSTA*® MINI Connectors; Pole No.: 4

Color	Item No.	PU
green	890-384	1

Lockout cap; for cutout; Pole No.: 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
Pole No.: 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.
- Low profile with 4.4 mm pole spacing

Electrical Data				
Coding	**A;B**			
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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
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 with 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	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

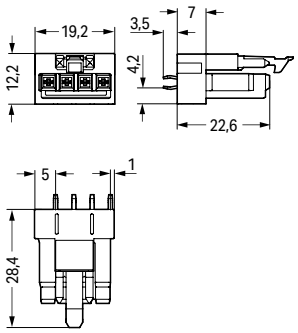
Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 4

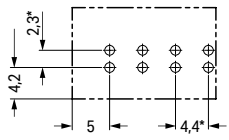
straight ▸ Female connector/socket

890-804

General mains applications				
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

Measurement and regulation technology				
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





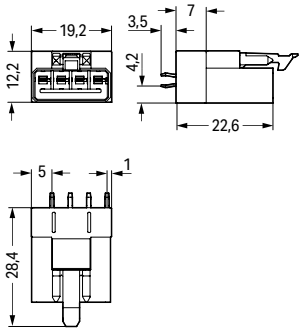
* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

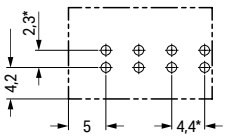
straight ▸ Male connector/plug

890-814

General mains applications				
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

Measurement and regulation technology				
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

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

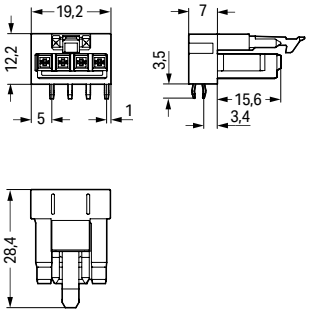
1

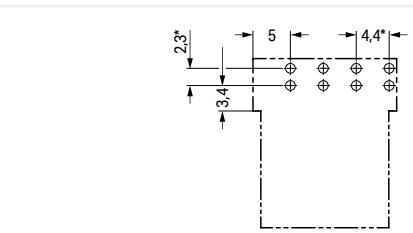
angled ▸ Female connector/socket

890-804/011-000

General mains applications				
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

Measurement and regulation technology				
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



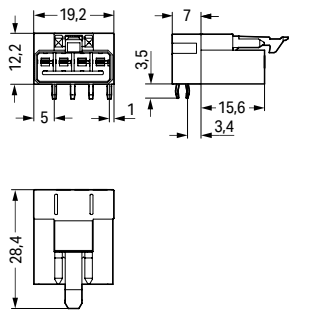


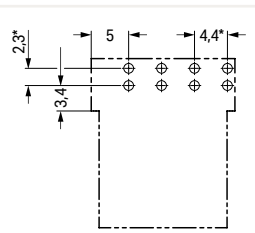
angled ▸ Male connector/plug

890-814/011-000

General mains applications				
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

Measurement and regulation technology				
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





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

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 4 ▸ Protection class: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical Data				
Coding	**A;B**			
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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	12 A			

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP40 when mated

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

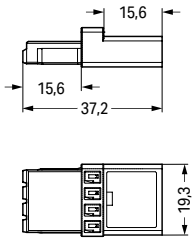
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 4 ▸ Protection class: IP20; IP40 when mated

Intermediate coupler

890-604

General mains applications

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



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

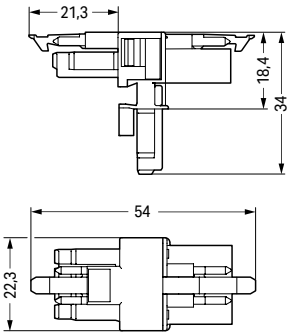
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 4 ▸ Protection class: IP20; IP40 when mated

T-distribution connector ▸ Number of locking levers: 2

890-626

General mains applications				
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

Measurement and regulation technology				
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

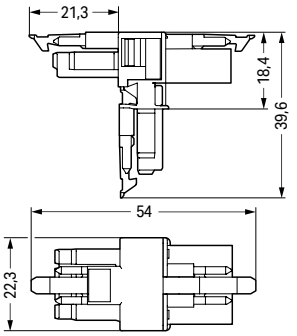


T-distribution connector ▸ Number of locking levers: 3 ▸ for flying leads

890-627

General mains applications				
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

Measurement and regulation technology				
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

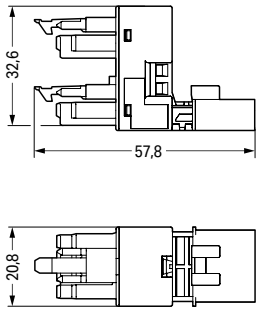
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 4 ▸ Protection class: IP20; IP40 when mated

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

890-944

General mains applications				
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

Measurement and regulation technology				
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

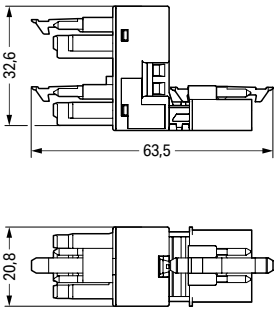


h-distribution connector (unidirectional) ▸ Number of locking levers: 3 ▸ for flying leads

890-945

General mains applications				
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

Measurement and regulation technology				
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 connectors (except T-distribution connectors); 4-pole

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

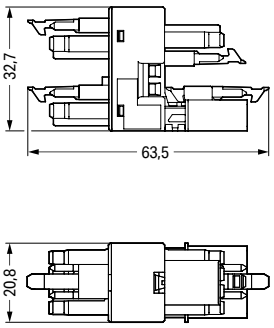
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 4 ▸ Protection class: IP20; IP40 when mated

Distribution connector, 3-way,

890-1734

Measurement and regulation technology				
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 connectors (except T-distribution connectors); 4-pole		
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
Pole No.: 4 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical Data						
Coding	**A;B**			**B**		
Wire cross-section	**1.5 mm²**			**1 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	16 A	-	-	10 A	-	-

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

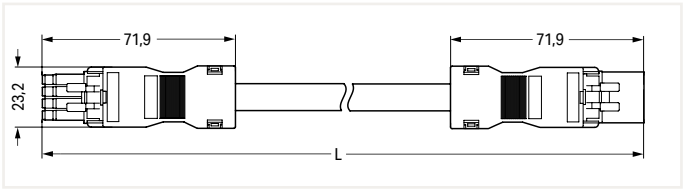
Cables with a different fire class can be found in the eShop.

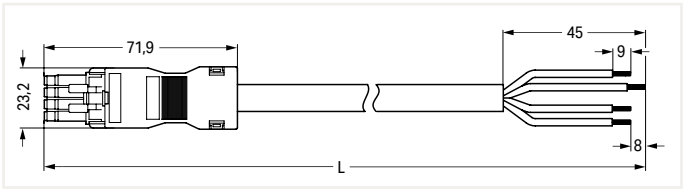
See technical section for further information

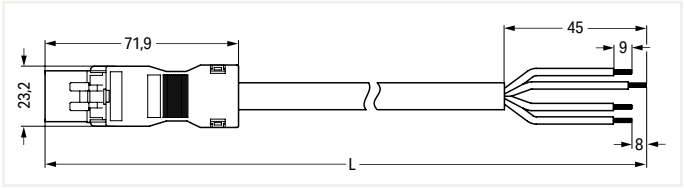
For approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ PVC ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ H05VV-F 4G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

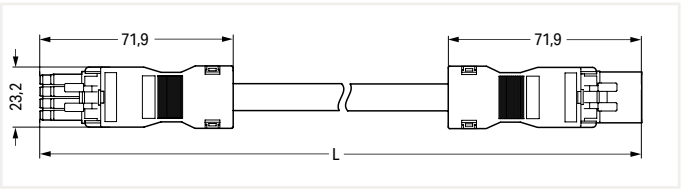
Mounting carrier; for flying leads; 2- to 5-pole

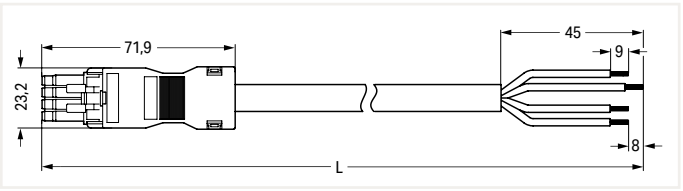
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

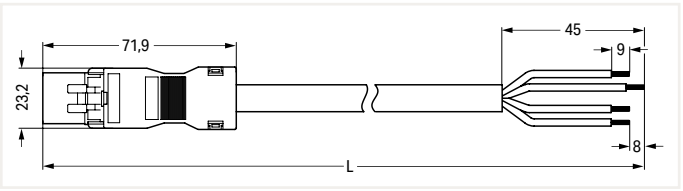
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ Halogen-free ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ H05Z1Z1-F 4G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

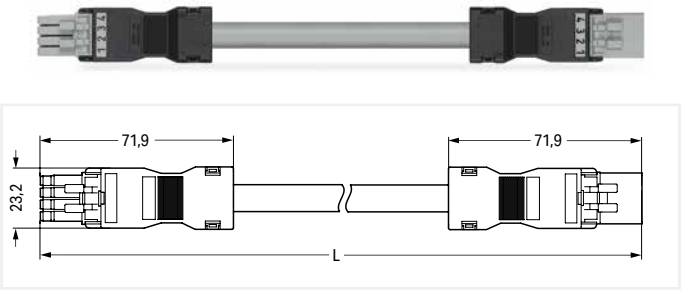
Mounting carrier; for flying leads; 2- to 5-pole

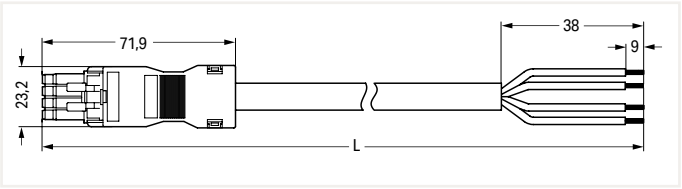
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

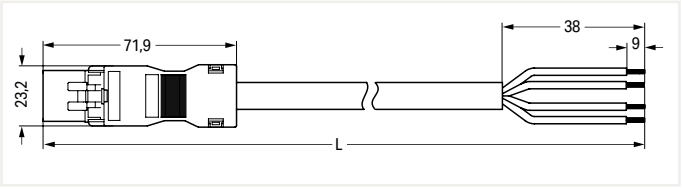
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Sheathed cable diameter: 7.1 … 9 mm ▸ Control line 4 x 1 ▸ Measurement and regulation technology







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

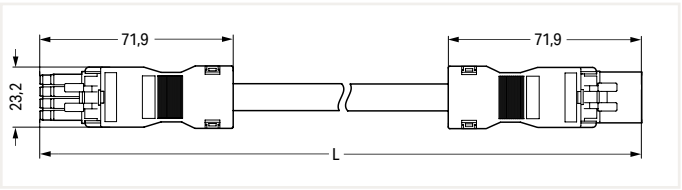
Mounting carrier; for flying leads; 2- to 5-pole

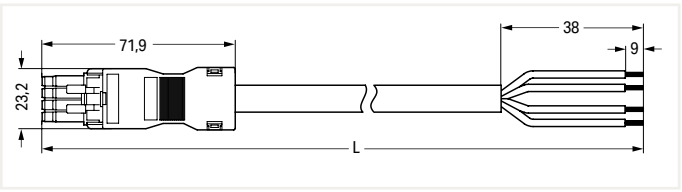
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

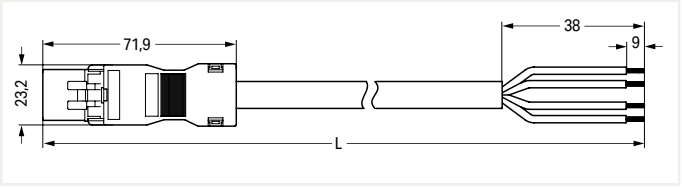
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ Control line 4 x 1.5 ▸ Measurement and regulation technology







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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 carrier; for flying leads; 2- to 5-pole

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
Pole No.: 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
- When assembled the installation connectors complies with IP40 and are suitable for easily accessible areas

Electrical Data						
Connectable sheathed cable diameter	**6.5 … 10.5 mm**					
Coding	**A**			**B;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	-	-
Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Shield termination	Page 375
Tool	Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

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

Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection class: IP40

890-105

Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection class: IP40

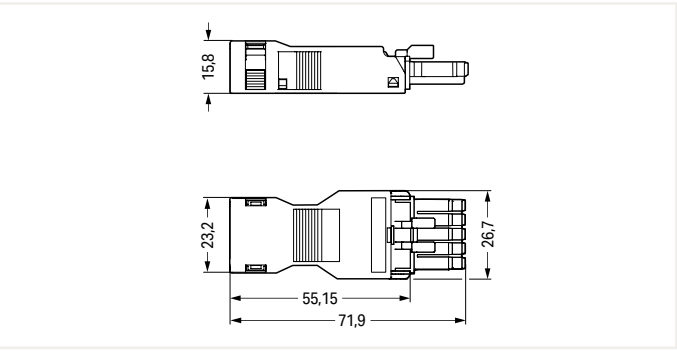
890-115

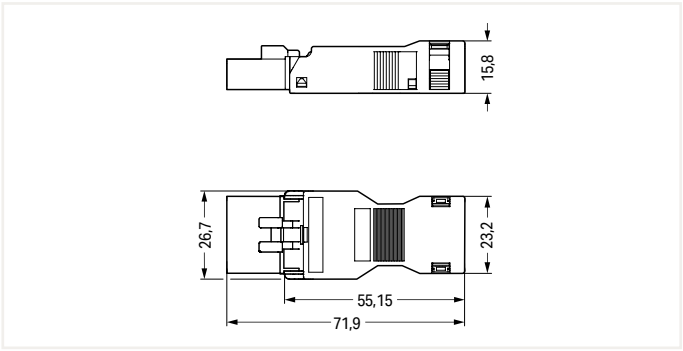
General mains applications

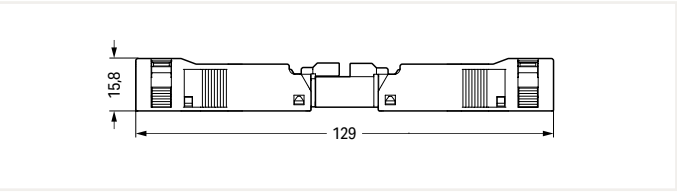
Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 1 2 3	890-105	50
○ white	A	N ⏚ 1 2 3	890-125	50

General mains applications

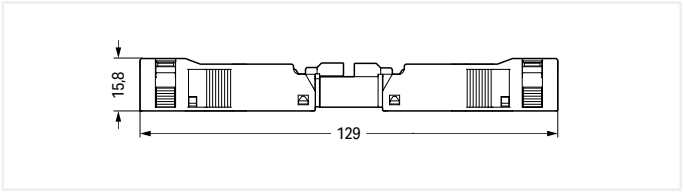
Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 1 2 3	890-115	50
○ white	A	N ⏚ 1 2 3	890-135	50







Overall length when mated



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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 5

Color	Item No.	PU
● green	890-385	1

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

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

Female connector/socket ▸ Protection class: IP20; IP40 with strain relief housing

1

890-205

General mains applications

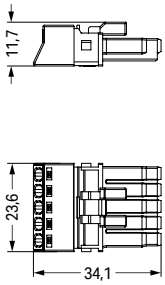
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-205	50
white	A	N ⏚ 1 2 3	890-225	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-1105	50

Measurement and regulation technology

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 ⏚ 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



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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 5

Color	Item No.	PU
green	890-385	1

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

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

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

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

Male connector/plug ▸ Protection class: IP20; IP40 when mated with strain relief housing

890-215

General mains applications

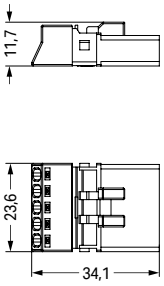
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-215	50
white	A	N ⏚ 1 2 3	890-235	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-1115	50

Measurement and regulation technology

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 ⏚ 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 carrier; for flying leads; 2- to 5-pole

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

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 5

Color	Item No.	PU
green	890-385	1

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length (outer insulation): 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
Pole No.: 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.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

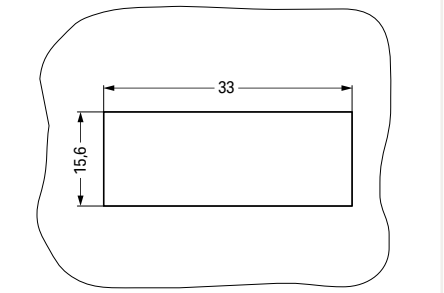


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data

Coding	A			B;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	-	-

Approbations 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 insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material Data

Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data

Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental Requirements

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Tool Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Snap-in Device Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 5

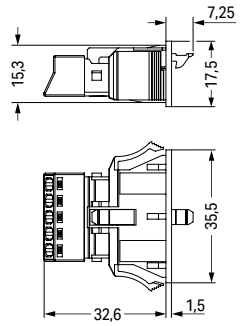
Female connector/socket ▸ Protection class: IP40

890-705

General mains applications				
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)

Measurement and regulation technology				
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 ⏚ 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	1 2 3 4 5	890-785	50 (50)
pink	B	N ⏚ L I- I+	890-785/080-000	50 (50)
pink	B	N ⏚ L - +	890-785/082-000	50 (50)

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU (SPU)
blue	I	N ⏚ L - +	890-2105	50 (50)



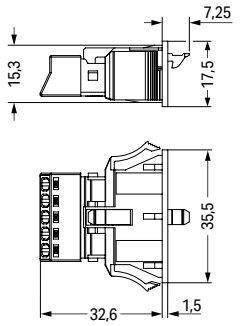
Male connector/plug ▸ Protection class: IP20; IP40 when mated

890-715

General mains applications				
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)

Measurement and regulation technology				
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 ⏚ 3 2 1	890-755/062-000	50 (50)
light green	B	1 2 3 4 5	890-775	50 (50)
light green	B	1 ⏚ 2 3 4	890-775/073-000	50 (50)
pink	B	1 2 3 4 5	890-795	50 (50)
pink	B	N ⏚ L I- I+	890-795/080-000	50 (50)
pink	B	N ⏚ L - +	890-795/082-000	50 (50)

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU (SPU)
blue	I	N ⏚ L - +	890-2115	50 (50)



Accessories; for all products on this page

Lockout cap; for cutout; Pole No.: 3		
Color	Item No.	PU
black	770-643	100
white	770-693	100

Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole No.: 5		
Color	Item No.	PU
green	890-385	1

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

Pluggable PCB Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 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.
- Low profile with 4.4 mm pole spacing

Electrical Data						
Coding	A			B;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	-	-

Approbations per	UL 1977	UL 1977
Rated voltage	600 V	600 V
Rated current	12 A	12 A

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
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 with 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	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

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

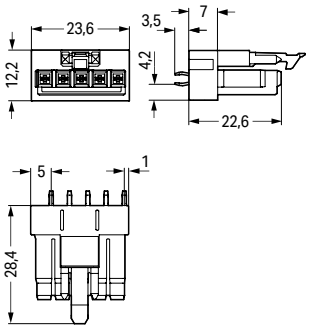
straight ▸ Female connector/socket

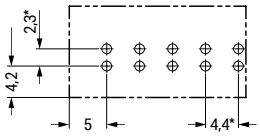
890-805

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-805	50
white	A	N ⏚ 1 2 3	890-825	50

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-3105	50





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

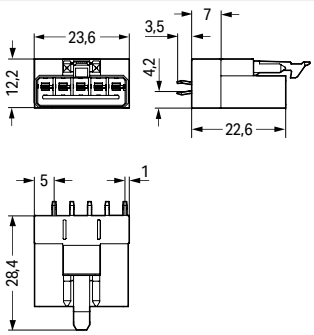
straight ▸ Male connector/plug

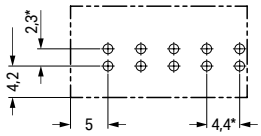
890-815

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-815	50
white	A	N ⏚ 1 2 3	890-835	50

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-3115	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
Pole No.: 5

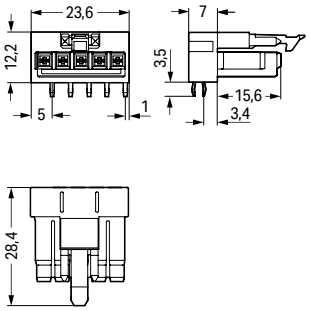
angled ▸ Female connector/socket

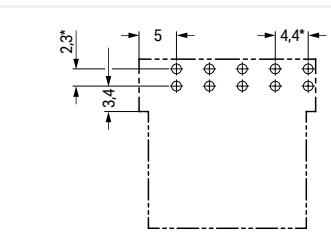
890-805/011-000

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-805/011-000	50
white	A	N ⏚ 1 2 3	890-825/011-000	50

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-3105/011-000	50





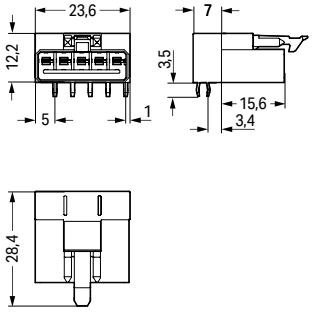
angled ▸ Male connector/plug

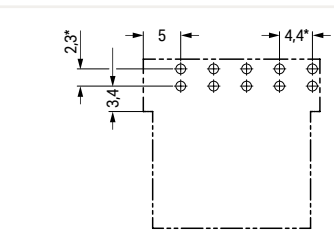
890-815/011-000

General mains applications				
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

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-3115/011-000	50





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

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 5 ▸ Protection class: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile 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	-	-

Approbations per	UL 1977	UL 1977
Rated voltage	600 V	600 V
Rated current	12 A	12 A

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP40 when mated

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

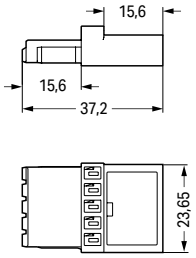
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 5 ▸ Protection class: IP20; IP40 when mated

Intermediate coupler

890-605

General mains applications				
Color	Coding	com_Aufdruck	Item No.	PU
black	A		890-605	50
white	A		890-655	50

DALI, Lighting Management				
Color	Coding	com_Aufdruck	Item No.	PU
blue	I		890-619	50



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

Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 5 ▸ Protection class: IP20; IP40 when mated

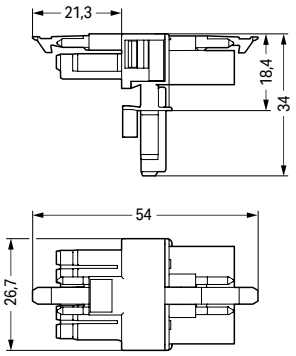
1

T-distribution connector ▸ Number of locking levers: 2

890-621

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-621	25
white	A	N ⏚ 1 2 3	890-671	25

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-617	25

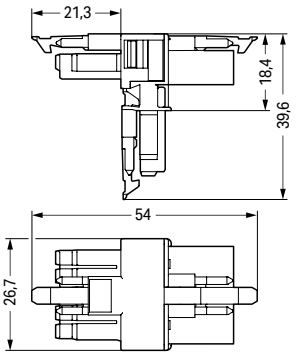


T-distribution connector ▸ Number of locking levers: 3 ▸ for flying leads

890-622

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-622	25
white	A	N ⏚ 1 2 3	890-672	25

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-620	25



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

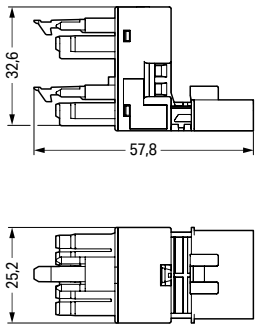
Distribution Connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole No.: 5 ▸ Protection class: IP20; IP40 when mated

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

890-929

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-929	50
white	A	N ⏚ 1 2 3	890-979	50

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-982	50

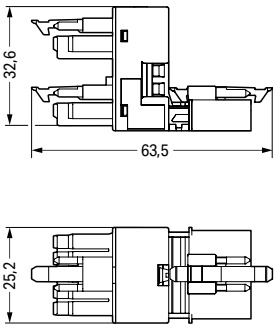


h-distribution connector (unidirectional) ▸ Number of locking levers: 3 ▸ for flying leads

890-930

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-930	50
white	A	N ⏚ 1 2 3	890-980	50

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-983	50



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

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
Pole No.: 5 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical Data									
Coding	A			B			B;I		
Wire cross-section	1.5 mm²			1 mm²			1.5 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	13 A	-	-	10 A	-	-	16 A	-	-

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

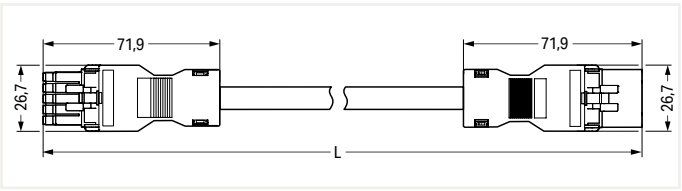
Cables with a different fire class can be found in the eShop.

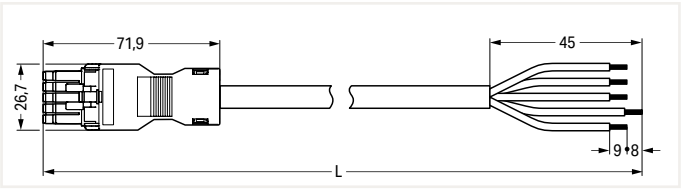
See technical section for further information

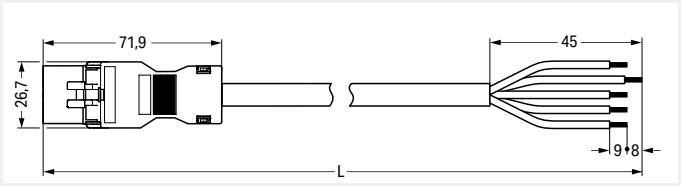
For approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 1 2 3 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

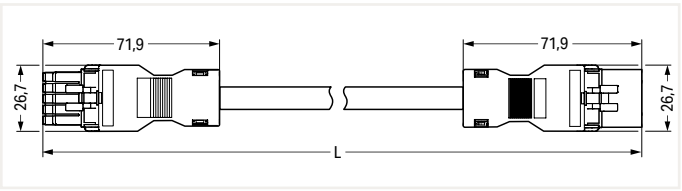
Mounting carrier; for flying leads; 2- to 5-pole

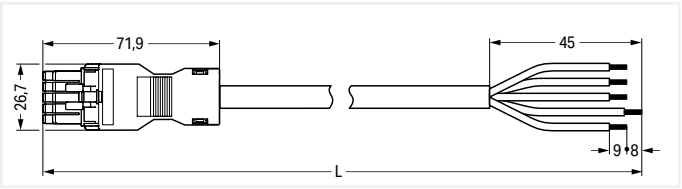
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

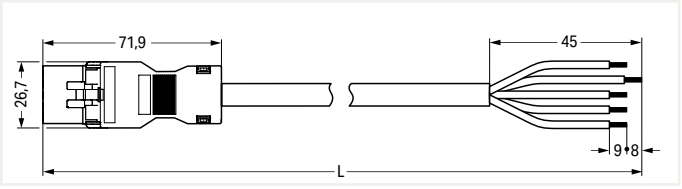
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 1 2 3 ▸ Halogen-free ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

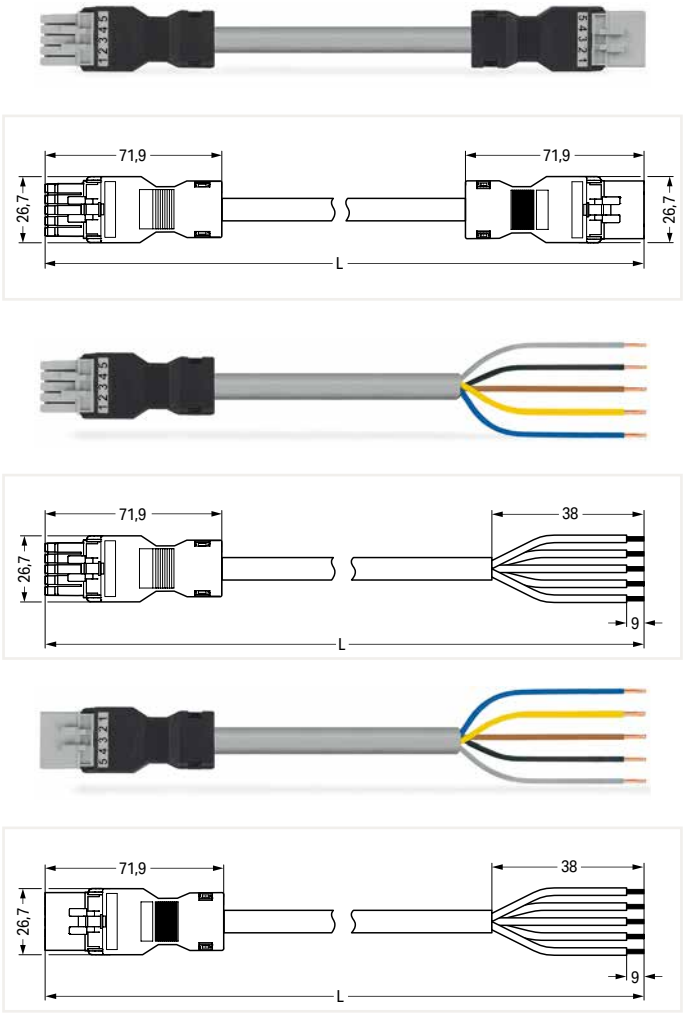
Mounting carrier; for flying leads; 2- to 5-pole

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

Pole No.: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ Sheathed cable diameter: 7.8 … 9.3 mm ▸ Control line 5 x 1 ▸ Measurement and regulation technology



Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

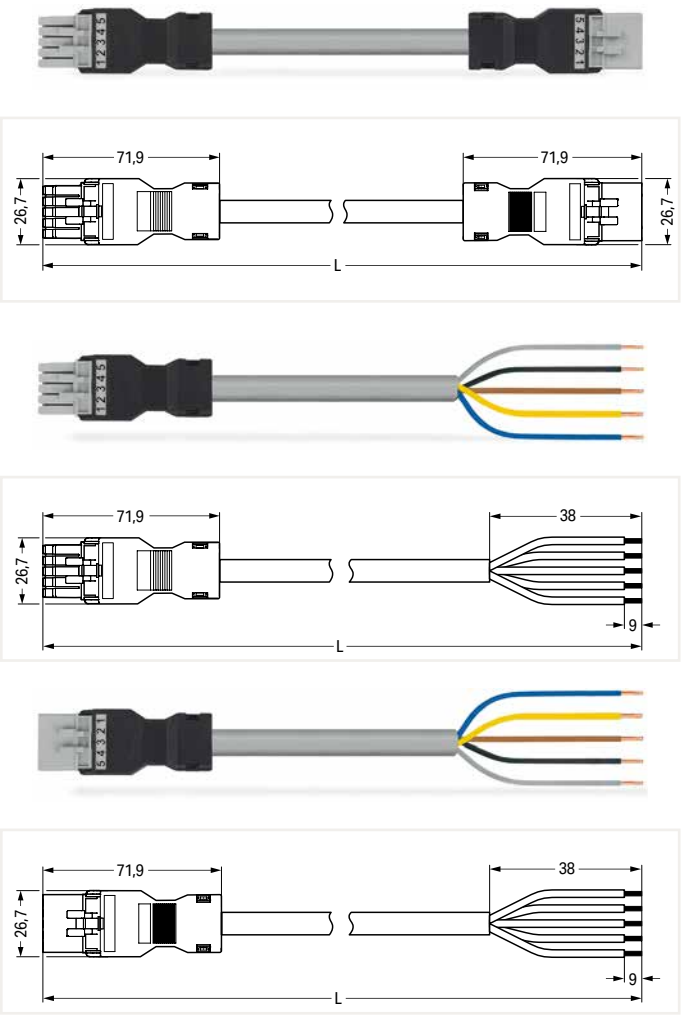
Mounting carrier; for flying leads; 2- to 5-pole

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

Pole No.: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ Control line 5 x 1.5 ▸ Measurement and regulation technology



Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ - Free end ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

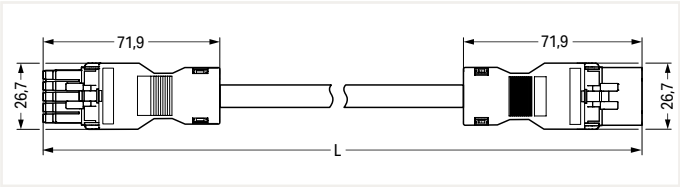
Mounting carrier; for flying leads; 2- to 5-pole

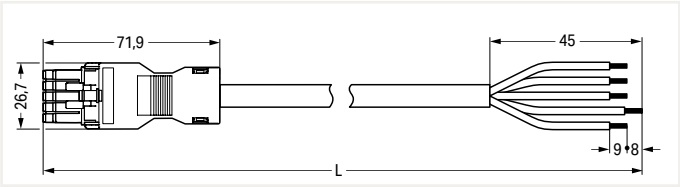
Color	Item No.	PU
black	890-310	100
white	890-311	100

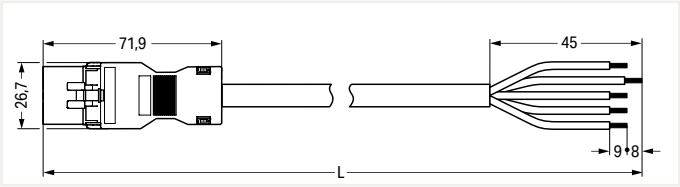
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L - + ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ DALI, Lighting Management







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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

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)

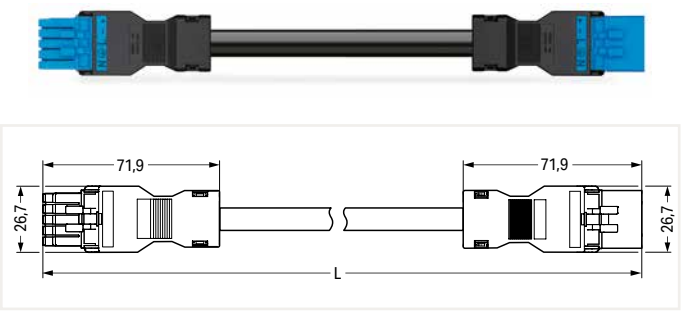
Mounting carrier; for flying leads; 2- to 5-pole

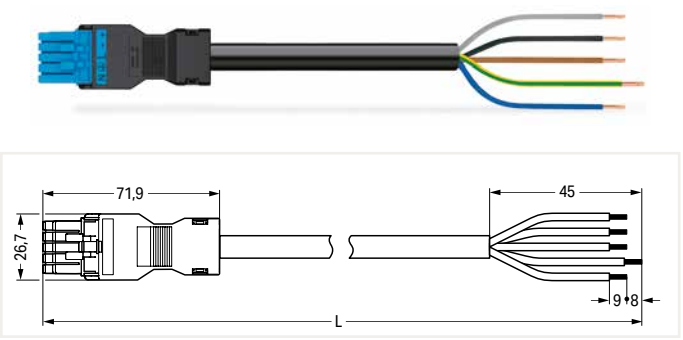
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

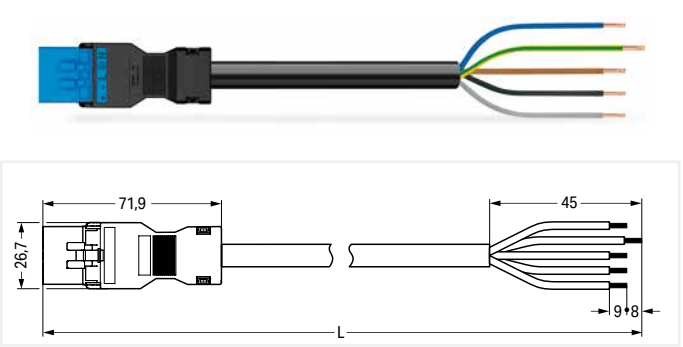
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole No.: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L - + ▸ Halogen-free ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ DALI, Lighting Management







Interconnecting cable ▸ Socket - Plug ▸ Protection class: IP20; IP40 when mated

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 ▸ Protection class: IP40

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 ▸ Protection class: IP20; IP40 when mated

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)

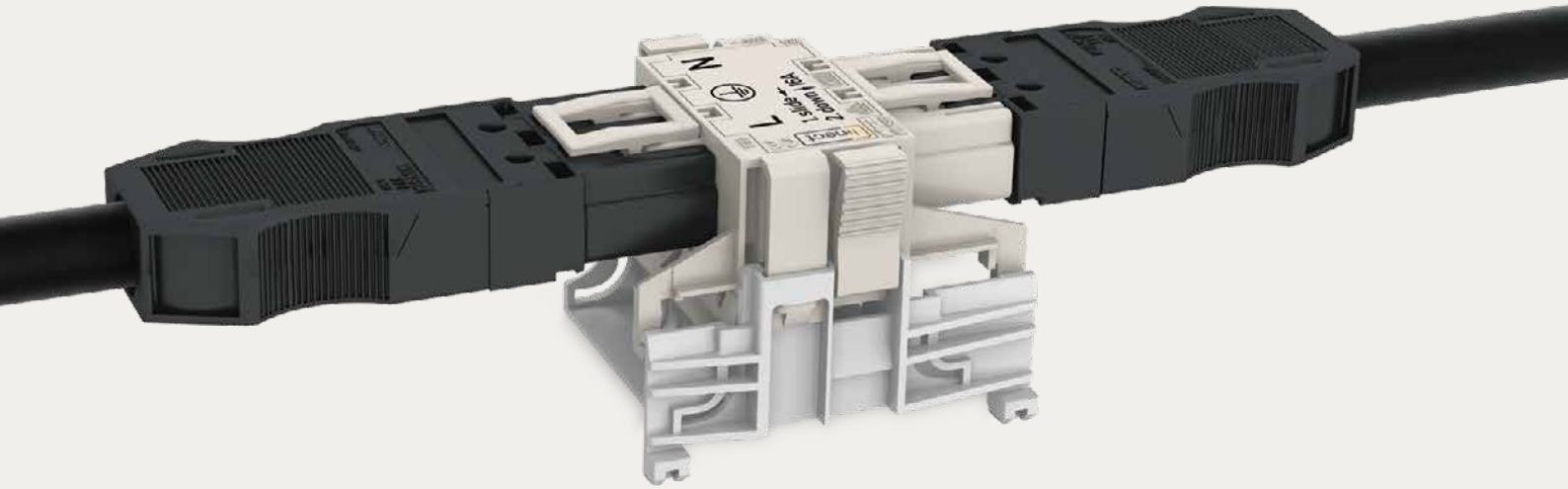
Locking lever; for flying leads; tool operated

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

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

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*® 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.
- B-Coded components from the WINSTA® MIDI series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984.

2

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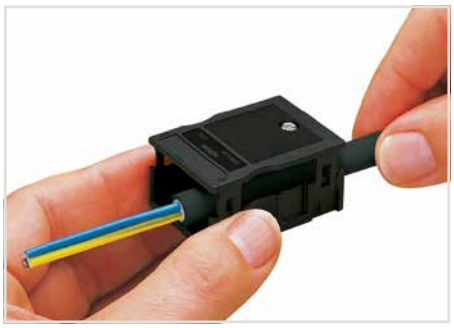
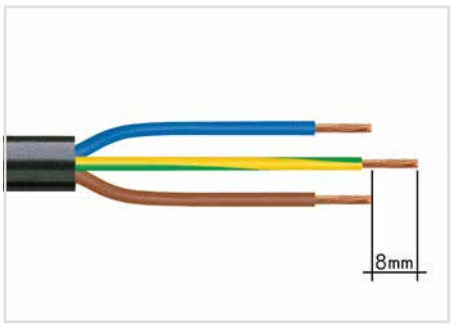
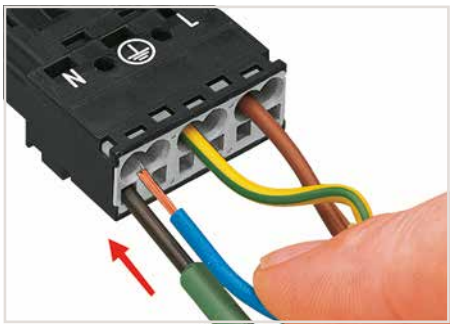
WINSTA® MIDI ▸ 770, 771 Series
Installation



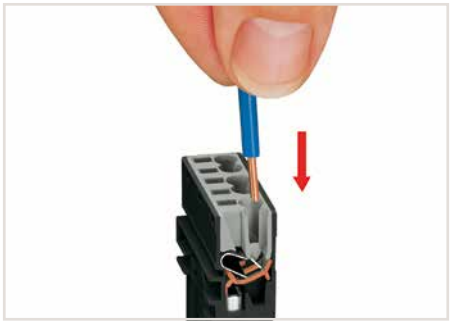
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



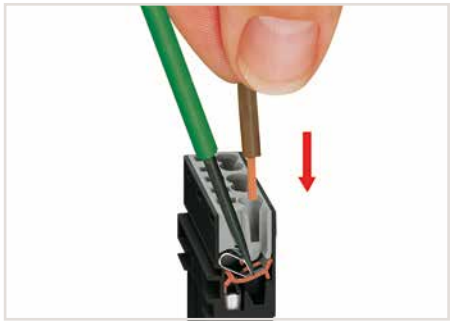
1. Strip length, outer insulation = x mm ❶
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



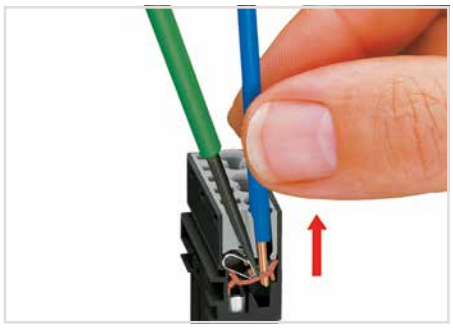
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.



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.

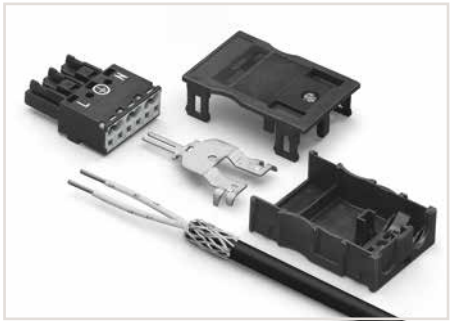
Tighten strain relief screw via screwdriver (2.5 mm blade width).

Simply cut off the coding pin from the socket.

Insert coding pin into plug (break first) until it engages.

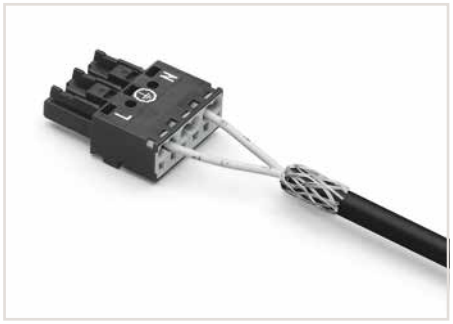
Marking strain relief housing via WSB Quick Marking System.

❶ Strip length, outer insulation: 2-pole = 35 mm, 3- to 5-pole = 55 mm

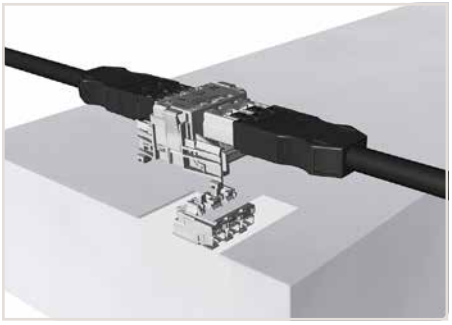


Connector with shield termination

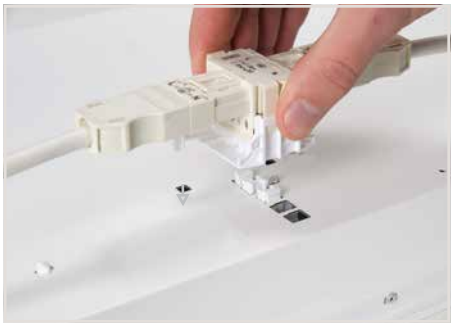
linect
the light connection system



Apply the shield to the rubber cable.
Strip length, outer insulation = 55 mm
Shield length = 10 mm

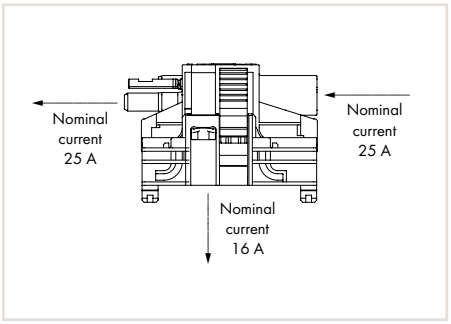


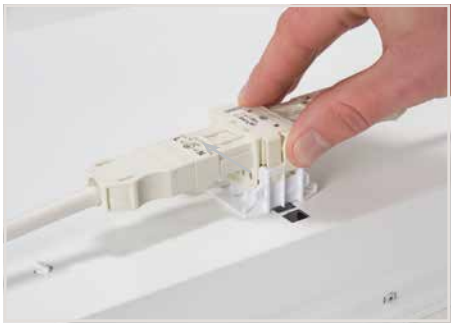
Connecting a T-connector to a 294 Series lighting connector.



Align the T-connector with the square cutouts.

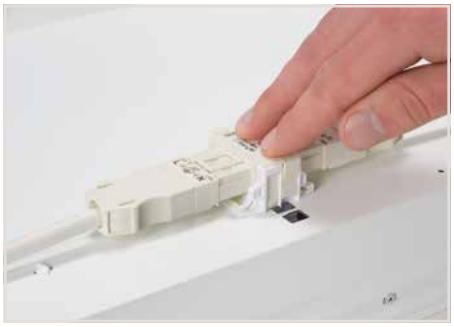
Push the shield connecting plate into the connector until fully inserted.





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.



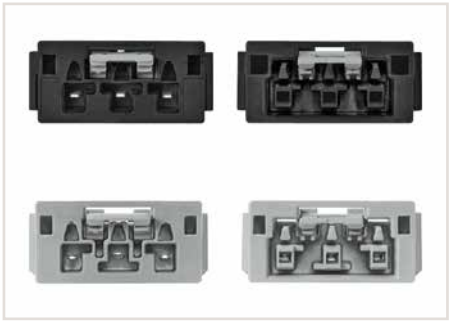
Push down until fully engaged – done!

PUSH-IN CAGE CLAMP®

WINSTA® MIDI ▸ Coding: B ▸ 770, 771 Series
Description and Installation

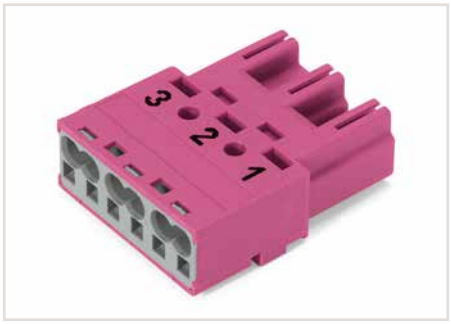
Gray, B-coded connector with "3 2 1" marking, e.g., control signal (A circuit)

Easy circuit identification via different marking and colors

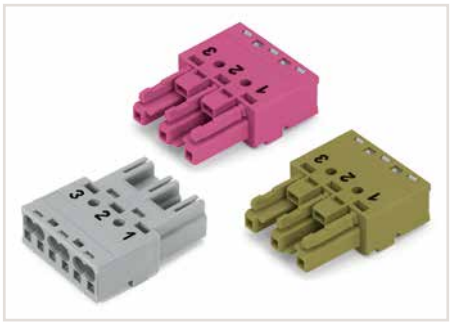


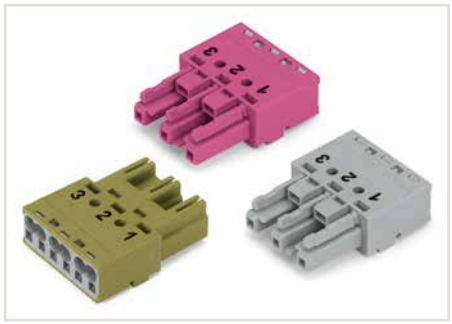
B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

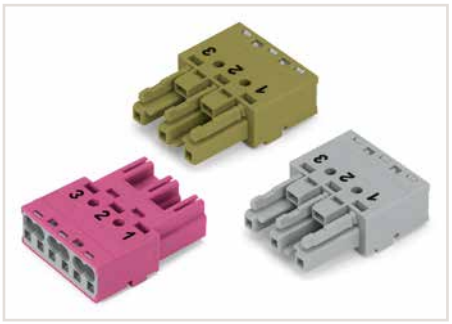
Light green, B-coded connector with "3 2 1" marking, e.g., DC power supply (24 V circuit)



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 122.

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole No.: 2 ▸ Number of connection points: 2 ▸ Protection type: 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

2

Electrical Data				
Coding	A;B;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	-	-	
Approbations 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 insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

General accessories	Page 390
Tool	Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

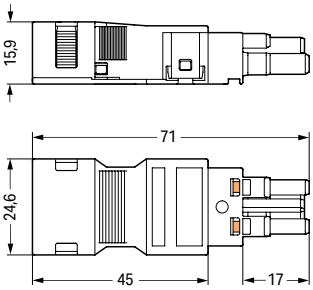
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 2 ▸ Number of connection points: 2 ▸ Protection type: IP20

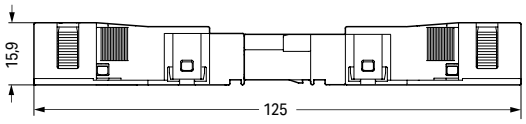
Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 35 mm ▸ Connectable sheathed cable diameter : 7 … 10.5 mm

770-102/041-000

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L N	770-102/041-000	25
white	A	L N	770-122/041-000	25





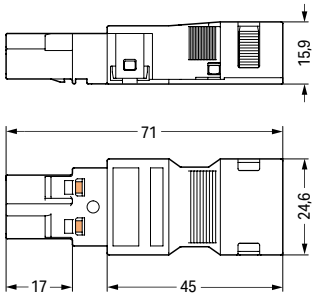
Overall length when mated

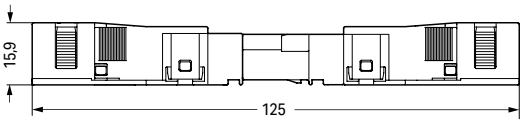
Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 35 mm ▸ Connectable sheathed cable diameter : 7 … 10.5 mm

770-112/041-000

General mains applications

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; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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 WAGO *WINSTA*® MIDI Connectors; Pole No.: 2

Color	Item No.	PU (SPU)
green	770-382	50 (1)

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole No.: 2 ▸ Number of connection points: 2 ▸ Protection type: IP20

2

Female connector/socket

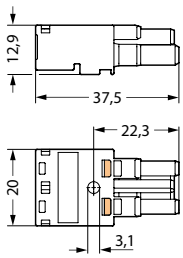
770-202

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	770-202	100
white	A	L N	770-222	100

Emergency power supply				
Color	Coding	Marking	Item No.	PU
dark gray	L	L' N'	770-1162	100

Measurement and regulation technology				
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	1 2	770-282	100
pink	B	I+ I-	770-282/080-000	100
pink	B	+ -	770-282/082-000	100

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA-	770-1102	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; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole No.: 2		
Color	Item No.	PU (SPU)
green	770-382	50 (1)

Strain relief housing; Connectable sheathed cable diameter: 7 … 10.5 mm; Strip length (outer insulation): 35 mm		
Color	Item No.	PU
black	770-502/041-000	50
white	770-512/041-000	50

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 2 ▸ Number of connection points: 2 ▸ Protection type: IP20

Male connector/plug

770-212

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L N	770-212	100
white	A	L N	770-232	100

Emergency power supply

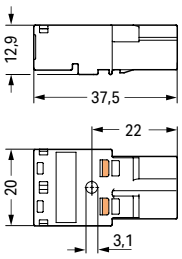
Color	Coding	Marking	Item No.	PU
dark gray	L	L' N'	770-1172	100

Measurement and regulation technology

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	1 2	770-292	100
pink	B	I+ I-	770-292/080-000	100
pink	B	+ -	770-292/082-000	100

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA-	770-1112	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 plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole No.: 2

Color	Item No.	PU (SPU)
green	770-382	50 (1)

Strain relief housing; Connectable sheathed cable diameter: 7 … 10.5 mm; Strip length (outer insulation): 35 mm

Color	Item No.	PU
black	770-502/041-000	50
white	770-512/041-000	50

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 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
Pole No.: 2

- Protected against mismating and maintenance-free

2

Electrical Data				
Coding	A;B;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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

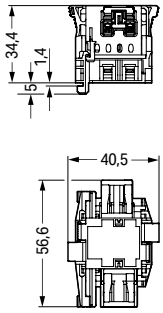
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 2

Linect® T-connector

770-7102

DALI, Lighting Management				
Cover Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA-	770-7102	25

Emergency power supply				
Cover Color	Coding	Marking	Item No.	PU
dark gray	L	L' N'	770-7502	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

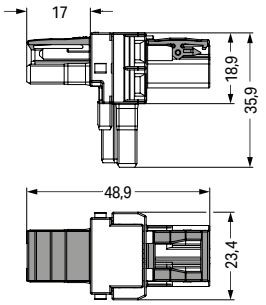
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 2

T-distribution connector ▸ Number of locking levers: 2

770-1606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	770-1606	50
white	A	L N	770-1656	50

Measurement and regulation technology				
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

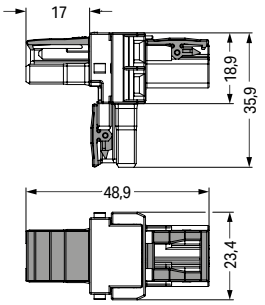


T-distribution connector ▸ for flying leads ▸ Number of locking levers: 3

770-1606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	770-1615	50
white	A	L N	770-1665	50

Measurement and regulation technology				
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



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 2

h-distribution connector (bi-directional) ▸ Number of locking levers: 2

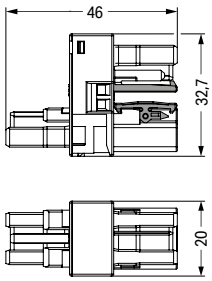
770-1608

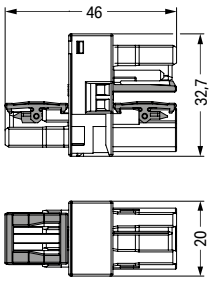
Measurement and regulation technology				
Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1608	50
light green	B	1 2	770-1609	50
pink	B	1 2	770-1610	50

h-distribution connector (bi-directional) ▸ for flying leads ▸ Number of locking levers: 3

770-1658

Measurement and regulation technology				
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





Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

Color	Item No.	PU
black	770-1626	25
white	770-1627	25

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

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

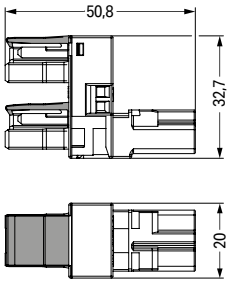
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 2

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

770-1634

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	770-1634	50
white	A	L N	770-1684	50

Measurement and regulation technology				
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

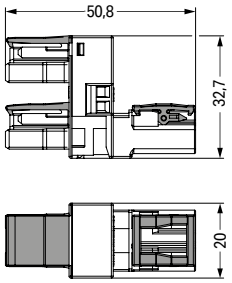


h-distribution connector (unidirectional) ▸ for flying leads ▸ Number of locking levers: 3

770-1636

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	770-1636	50
white	A	L N	770-1686	50

Measurement and regulation technology				
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



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

Color	Item No.	PU
black	770-1626	25
white	770-1627	25

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

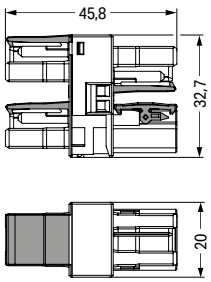
Color	Item No.	PU
yellow	770-360	100

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

Distribution connector, 3-way,

770-1704

Measurement and regulation technology				
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 connectors (except T-distribution connectors); 2-pole		
Color	Item No.	PU
black	770-1626	25
white	770-1627	25

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca}

- 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

2

Electrical Data									
Coding	**A;B;I;L**			**A;L**			**B**		
Wire cross-section	**1.5 mm²**			**2.5 mm²**			**1 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	250 V	-	-	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-	10 A	-	-

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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 type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables with a different fire class can be found in the eShop.

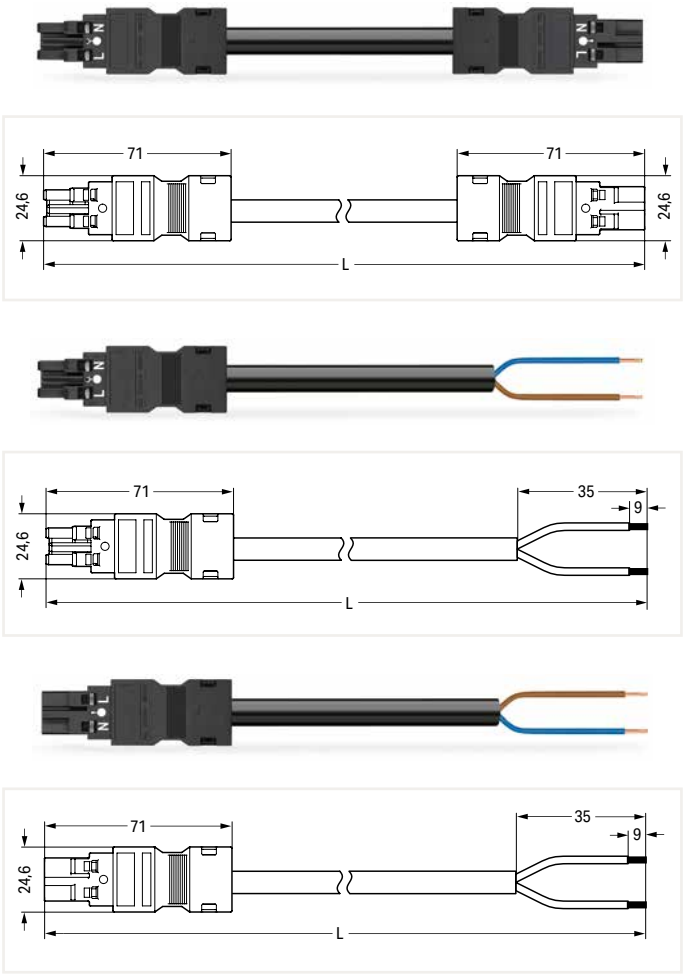
Cover	Page 380
Marking	Page 405

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ PVC ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5 ▸ General mains applications



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 (outer insulation): 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 (outer insulation): 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

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)

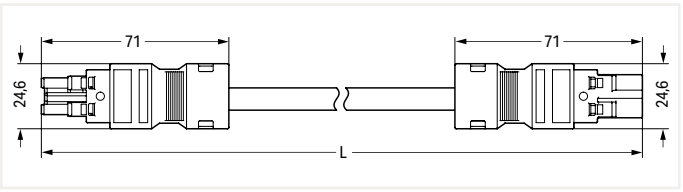
Mounting carrier; for flying leads; 2- to 5-pole

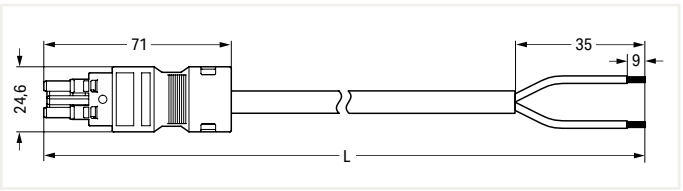
Color	Item No.	PU
● black	770-310	25

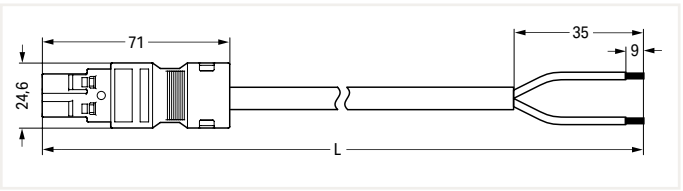
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ Halogen-free ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5 ▸ General mains applications







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 (outer insulation): 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 (outer insulation): 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)

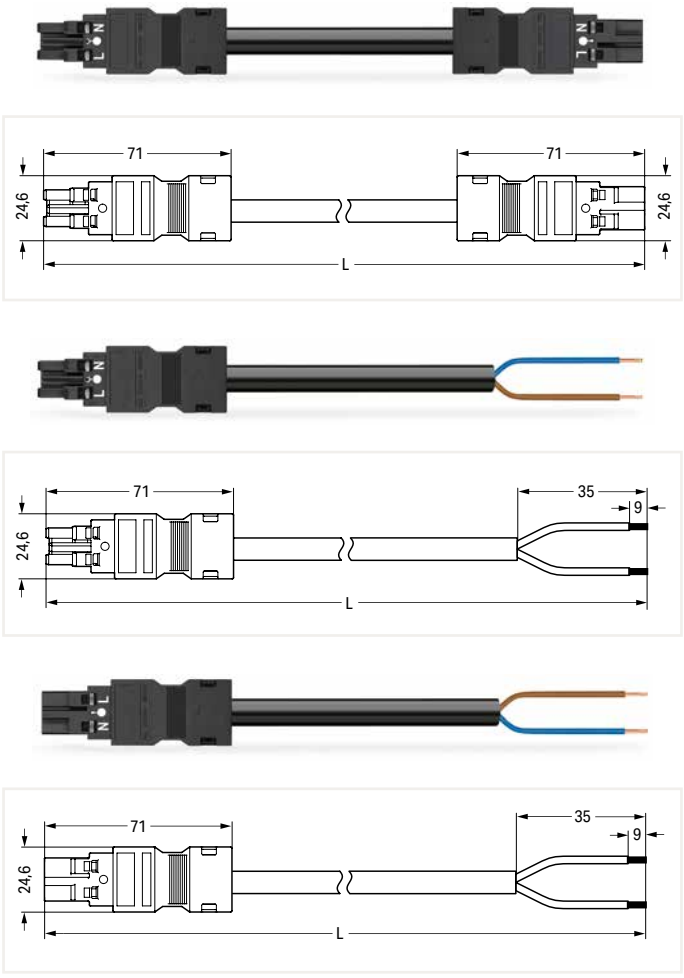
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Mounting carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L N ▸ PVC ▸ Sheathed cable diameter: 8.4 … 10.6 mm ▸ H05VV-F 2x2.5 ▸ General mains applications



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 (outer insulation): 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 (outer insulation): 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

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)

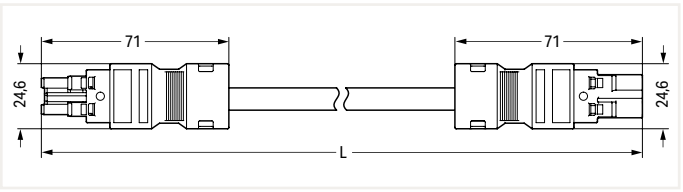
Mounting carrier; for flying leads; 2- to 5-pole

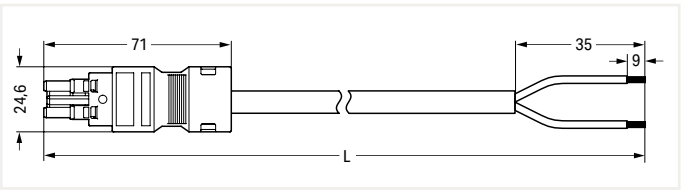
Color	Item No.	PU
● black	770-310	25

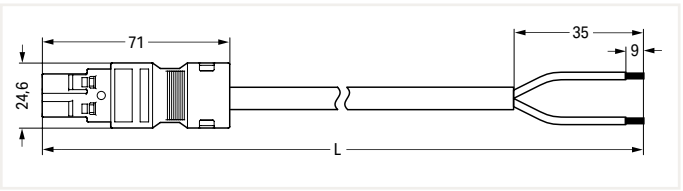
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L N ▸ Halogen-free ▸ Sheathed cable diameter: 8.4 … 10.6 mm ▸ H05Z1Z1-F 2x2.5 ▸ General mains applications







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 (outer insulation): 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 (outer insulation): 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)

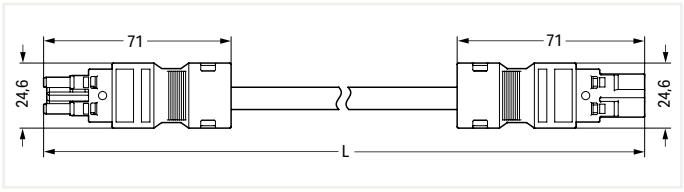
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

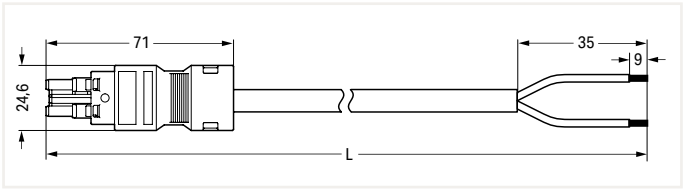
Mounting carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
black	770-310	25

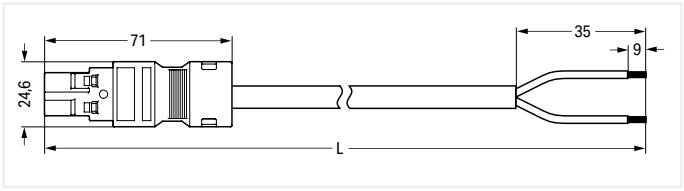
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 ▸ PVC ▸ Sheathed cable diameter: 5.9 … 7.5 mm ▸ Control line 2 x 1 ▸ Measurement and regulation technology







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 ▸ Strip length (outer insulation): 35 mm

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 ▸ Strip length (outer insulation): 35 mm

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	771-8992/205-707	1
8 m	771-8992/205-803	771-8992/205-805	771-8992/205-807	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)

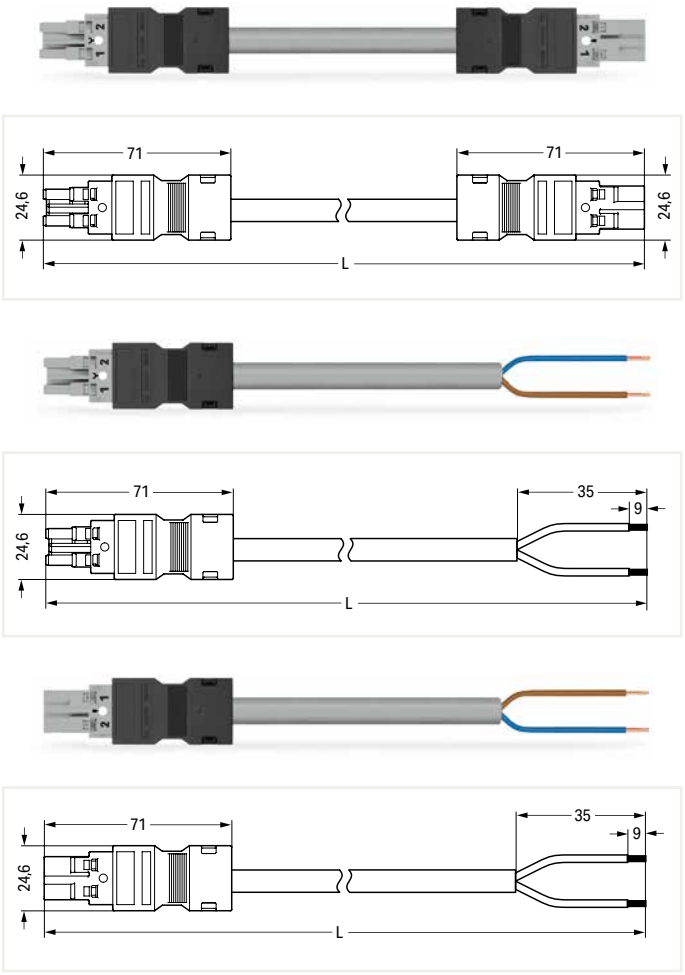
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 ▸ PVC ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ Control line 2 x 1.5 ▸ Measurement and regulation technology



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 ▸ Strip length (outer insulation): 35 mm

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 ▸ Strip length (outer insulation): 35 mm

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)

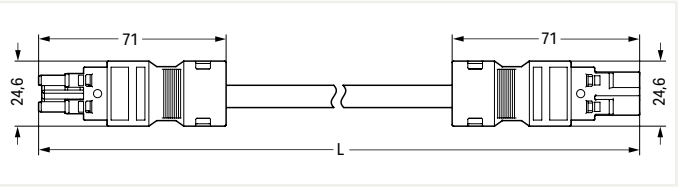
Mounting carrier; for flying leads; 2- to 5-pole

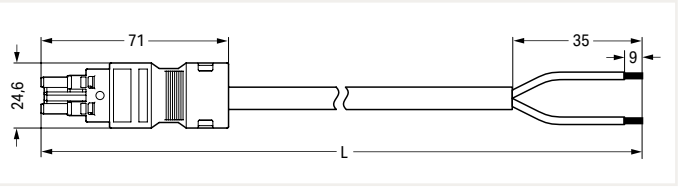
Color	Item No.	PU
● black	770-310	25

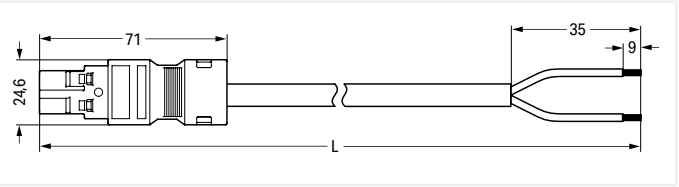
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: DA+ DA- ▸ PVC ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5 ▸ DALI, Lighting Management







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 (outer insulation): 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 (outer insulation): 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

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)

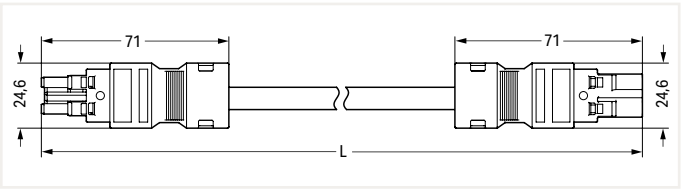
Mounting carrier; for flying leads; 2- to 5-pole

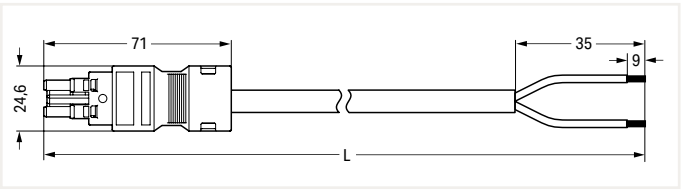
Color	Item No.	PU
black	770-310	25

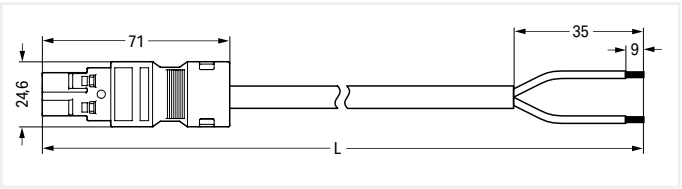
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: DA+ DA- ▸ Halogen-free ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5 ▸ DALI, Lighting Management







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 (outer insulation): 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 (outer insulation): 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)

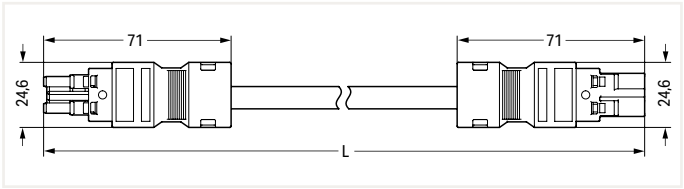
Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

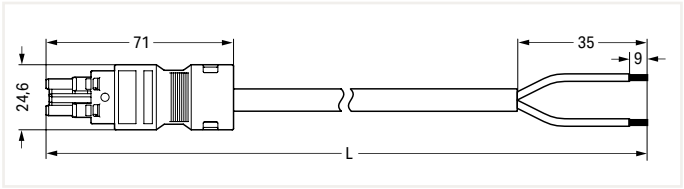
Mounting carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
black	770-310	25

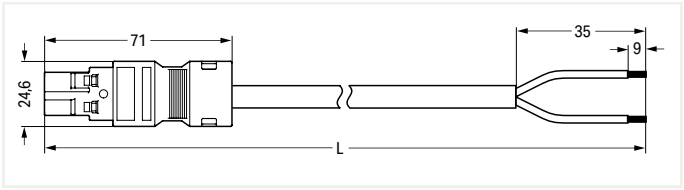
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 1.5 mm² ▸ Marking: L' N' ▸ PVC ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05VV-F 2x1.5 ▸ Emergency power supply







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 (outer insulation): 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 (outer insulation): 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

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)

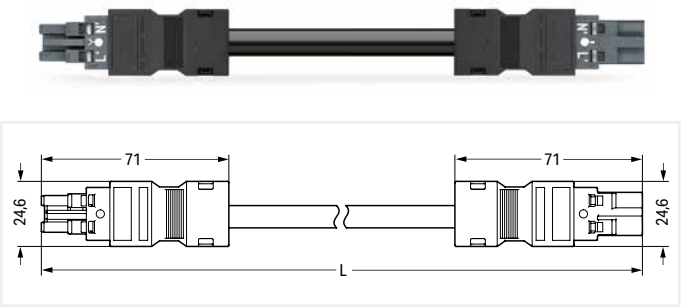
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

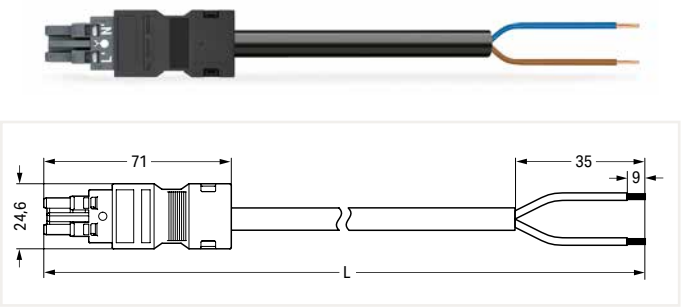
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 1.5 mm² ▸ Marking: L' N' ▸ Halogen-free ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5 ▸ Emergency power supply



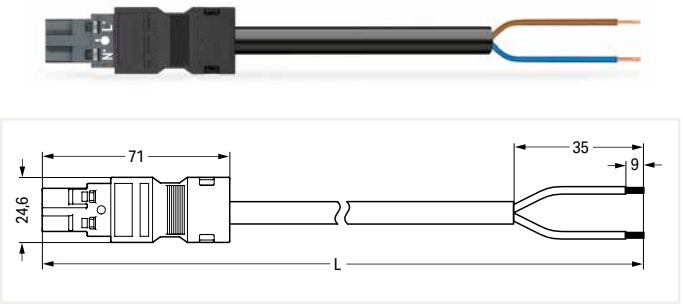
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

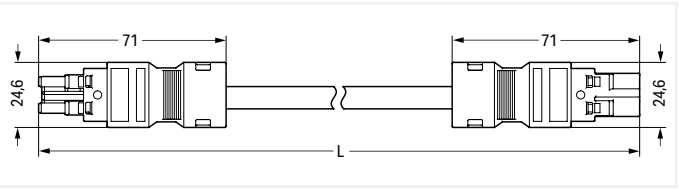
Mounting carrier; for flying leads; 2- to 5-pole

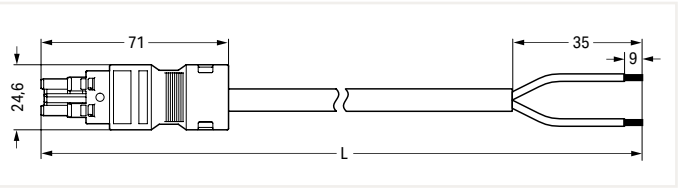
Color	Item No.	PU
black	770-310	25

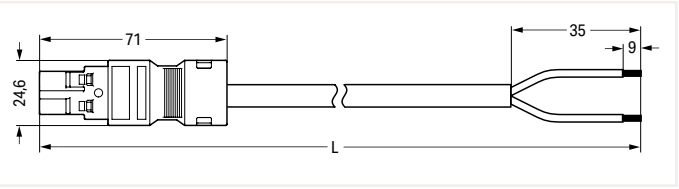
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 2.5 mm² ▸ Marking: L' N' ▸ PVC ▸ Sheathed cable diameter: 8.4 … 10.6 mm ▸ H05VV-F 2x2.5 ▸ Emergency power supply







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 (outer insulation): 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 (outer insulation): 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

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)

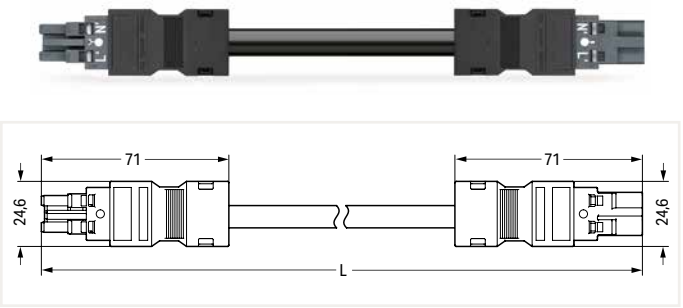
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

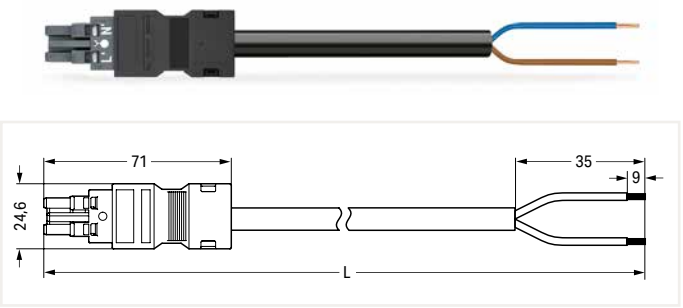
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 2.5 mm² ▸ Marking: L' N' ▸ Halogen-free ▸ Sheathed cable diameter: 8.4 … 10.6 mm ▸ H05Z1Z1-F 2x2.5 ▸ Emergency power supply



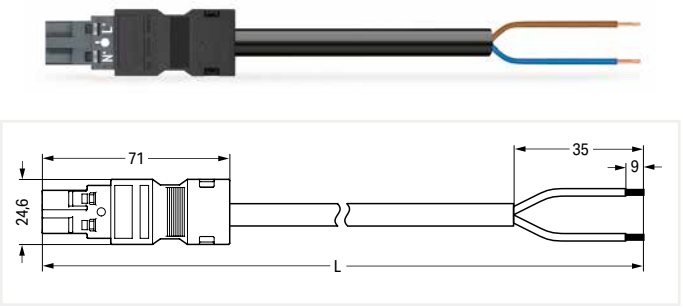
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

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

Color	Item No.	PU
black	770-310	25

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical Data			
Coding	A;B;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	-	-
Approbations 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 insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Coding	Page 379
Cover	Page 380
Marking	Page 405
Shield termination	Page 383
Strain relief	Page 384
Tool	Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

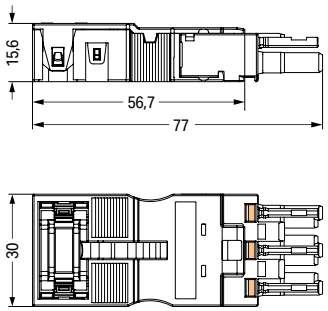
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Number of connection points: 2

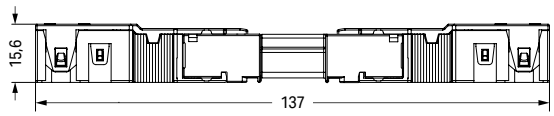
Strain relief house, for quick assembly ▸ Female connector/socket ▸ Strip length (outer insulation): 48 mm ▸ Connectable sheathed cable diameter : 7 … 11.5 mm

770-203/035-000

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-203/035-000	25
white	A	L ⏚ N	770-223/035-050	25





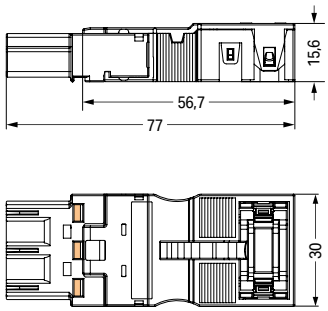
Overall length when mated

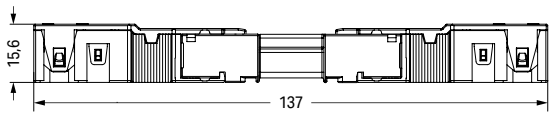
Strain relief house, for quick assembly ▸ Male connector/plug ▸ Strip length (outer insulation): 48 mm ▸ Connectable sheathed cable diameter : 7 … 11.5 mm

770-213/035-000

General mains applications

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

Item-Specific Accessories

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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 WAGO *WINSTA*® MIDI Connectors; Pole No.: 3

Color	Item No.	PU (SPU)
green	770-383	50 (1)

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Number of connection points: 2

Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 8 … 11.5 mm ▸ Protection type: IP 2xC

770-103

Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 8 … 11.5 mm ▸ Protection type: IP20

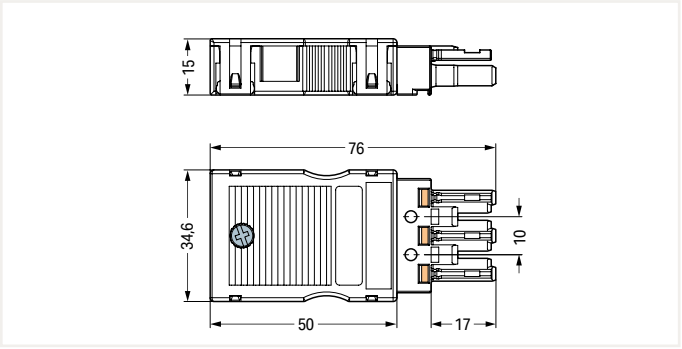
770-113

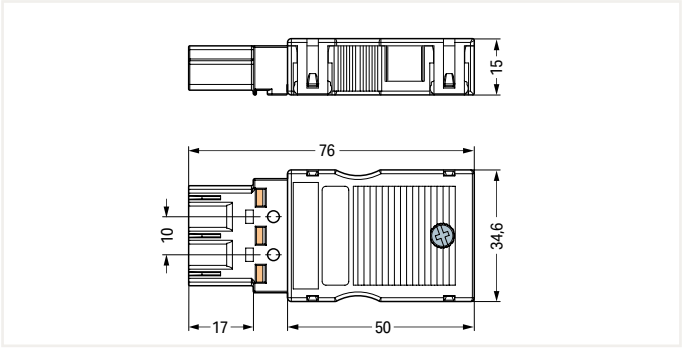
General mains applications

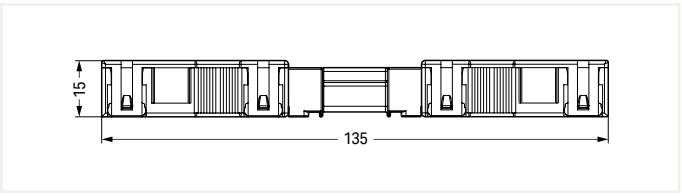
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-103	25
white	A	L ⏚ N	770-123	25

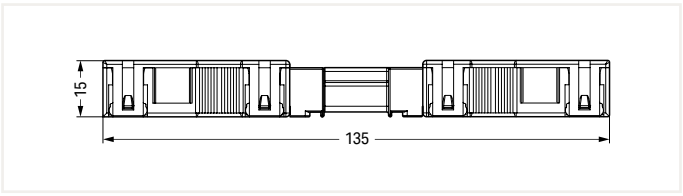
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-113	25
white	A	L ⏚ N	770-133	25









Overall length when mated

Overall length when mated

Item-Specific Accessories

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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 WAGO *WINSTA*® MIDI Connectors; Pole No.: 3

Color	Item No.	PU (SPU)
green	770-383	50 (1)

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

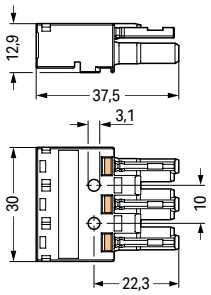
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Number of connection points: 2

Female connector/socket ▸ Protection type: IP20

770-203

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-203	100
white	A	L ⏚ N	770-223	100

Measurement and regulation technology				
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 ⏚ 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



EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-1303	100

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-1343	100

Switching function				
Color	Coding	Marking	Item No.	PU
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; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole No.: 3		
Color	Item No.	PU (SPU)
green	770-383	50 (1)

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length (outer insulation): 55 mm		
Color	Item No.	PU
black	770-503	50
white	770-513	50

Strain relief housing; Connectable sheathed cable diameter: 4.5 … 8 mm; Strip length (outer insulation): 55 mm		
Color	Item No.	PU
black	770-503/023-000	50
white	770-513/023-000	50

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Number of connection points: 2

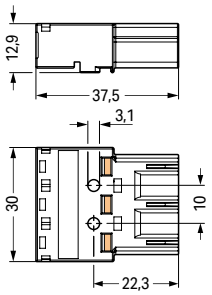
Male connector/plug ▸ Protection type: IP20

770-213

2

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-213	100
white	A	L ⏚ N	770-233	100

Measurement and regulation technology				
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 ⏚ 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



EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-1313	100

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-1353	100

Switching function				
Color	Coding	Marking	Item No.	PU
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 plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole No.: 3		
Color	Item No.	PU (SPU)
green	770-383	50 (1)

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length (outer insulation): 55 mm		
Color	Item No.	PU
black	770-503	50
white	770-513	50

Strain relief housing; Connectable sheathed cable diameter: 4.5 … 8 mm; Strip length (outer insulation): 55 mm		
Color	Item No.	PU
black	770-503/023-000	50
white	770-513/023-000	50

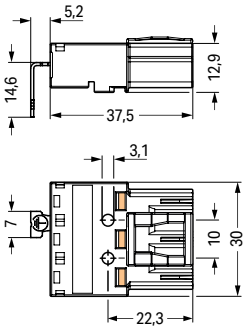
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

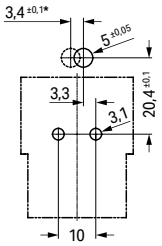
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Number of connection points: 2

with direct ground contact ▸ Male connector/plug ▸ Protection type: IP20

770-213/002-000

General mains applications				
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

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 plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Snap-in Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Number of connection points: 2 ▸ Protection type: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

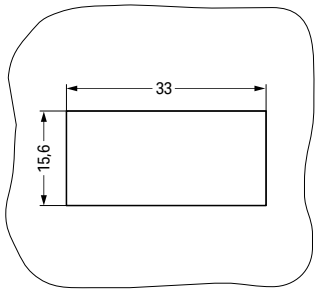


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data			
Coding	A;B;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	-	-
Approbations 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 insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Coding	Page 379
Locking system	Page 379
Tool	Page 400
See technical section for further information	
For approvals and corresponding ratings, visit www.wago.com	

Snap-in Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket

770-703

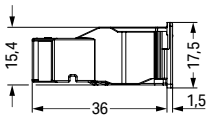
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-703	100
white	A	L ⏚ N	770-723	100

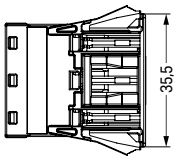
Switching function				
Color	Coding	Marking	Item No.	PU
brown	S	1 2 L	770-2363	100

Measurement and regulation technology				
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 ⏚ 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

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-2303	100

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-2343	100





Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole No.: 3		
Color	Item No.	PU (SPU)
green	770-383	50 (1)

Lockout cap; for cutout; Pole No.: 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

Pole No.: 3 ▸ Number of connection points: 2 ▸ Protection type: IP20

Male connector/plug

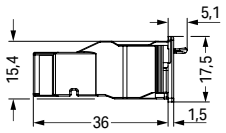
770-713

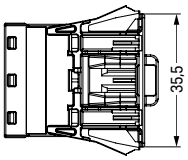
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-713	100
white	A	L ⏚ N	770-733	100

Measurement and regulation technology				
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 ⏚ 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

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-2313	100

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-2353	100





Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole No.: 3		
Color	Item No.	PU (SPU)
green	770-383	50 (1)

Lockout cap; for cutout; Pole No.: 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

Pole No.: 3 ▸ Number of connection points: 2 ▸ Protection type: IP20

with protruding interface ▸ Female connector/socket

770-703/009-000

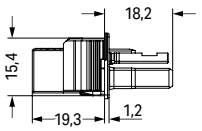
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-703/009-000	100
white	A	L ⏚ N	770-723/009-000	100

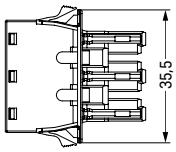
with direct ground contact ▸ Male connector/plug

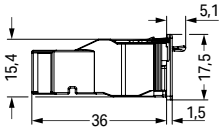
770-713/007-000

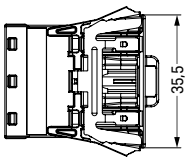
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-713/007-000	100
white	A	L ⏚ N	770-733/007-000	100

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-2313/007-000	100









Item-Specific Accessories

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole No.: 3		
Color	Item No.	PU (SPU)
green	770-383	50 (1)

Lockout cap; for cutout; Pole No.: 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
Pole No.: 3 ▸ Protection type: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

2

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	-	-
Approbations per	UL 1977		
Rated voltage	600 V		
Rated current	23 A		

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

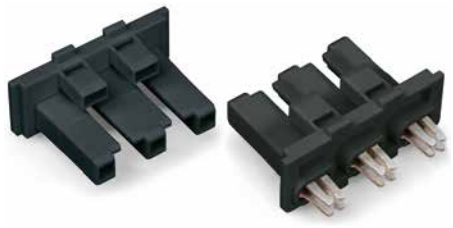
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

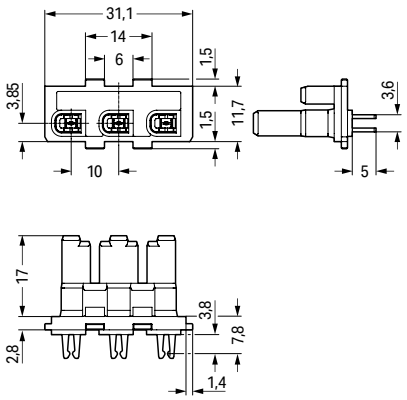
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3 ▸ Protection type: IP20

Female connector/socket



770-408

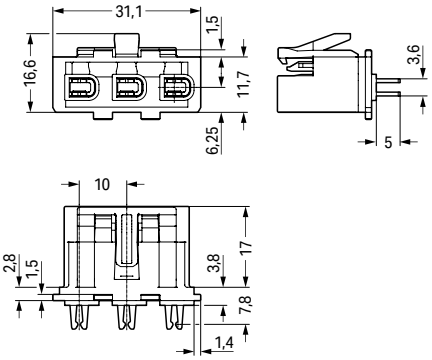
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	plain	770-408	100
white	A	plain	770-428	100



Male connector/plug

770-418

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	plain	770-418	100
white	A	plain	770-438	100



Item-Specific Accessories

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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
Pole No.: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical Data				
Coding	A;B			
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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
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 with tolerance	1.5 $^{(-0.1 \ldots +0.1)}$ mm
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Coding Page 379

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

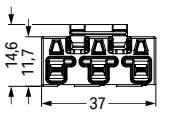
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

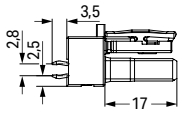
straight ▸ Female connector/socket

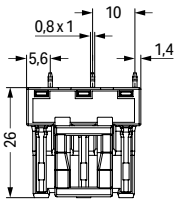
770-803

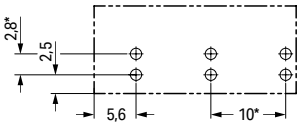
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-803	100
white	A	L ⏚ N	770-823	100

Measurement and regulation technology				
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 ⏚ 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

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

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

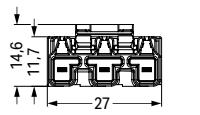
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

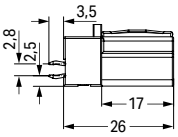
straight ▸ Male connector/plug

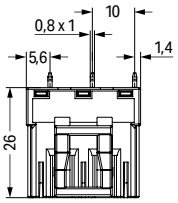
770-813

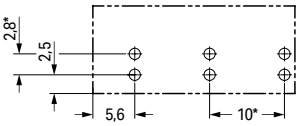
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-813	100
white	A	L ⏚ N	770-833	100

Measurement and regulation technology				
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 ⏚ 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

Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

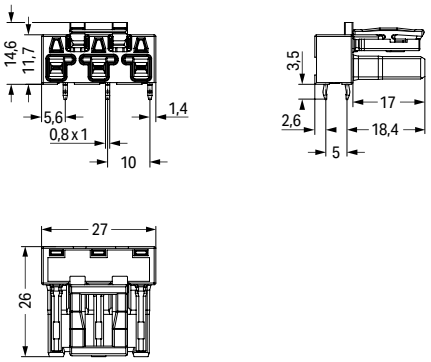
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

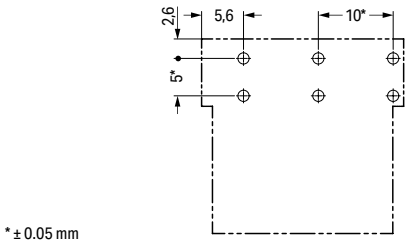
angled ▸ Female connector/socket

770-803/011-000

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-803/011-000	100
white	A	L ⏚ N	770-823/011-000	100

Measurement and regulation technology				
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 ⏚ 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

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

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

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

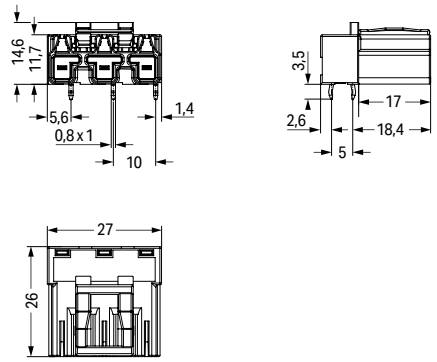
angled ▸ Male connector/plug

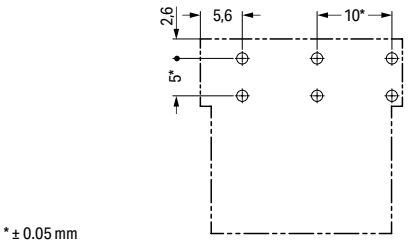
770-813/011-000

2

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-813/011-000	100
white	A	L ⏚ N	770-833/011-000	100

Measurement and regulation technology				
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 ⏚ 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

Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

Electrical Data				
Coding	A;B;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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

Coding Page 379

See technical section for further information

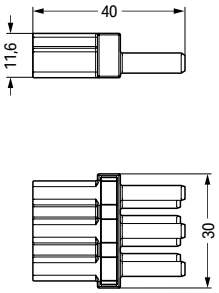
For approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

Intermediate coupler

770-603

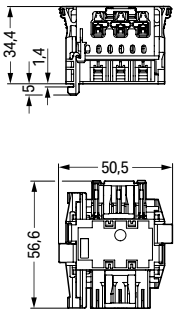
General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	plain	770-603	100
○ white	A	plain	770-653	100



Linect® T-connector

770-6223

General mains applications				
Cover 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; Pole No.: 12		
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
● yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

2

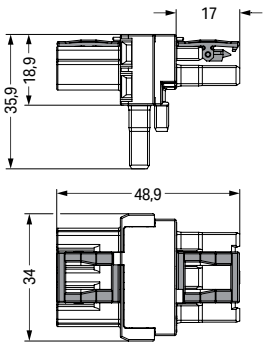
T-distribution connector ▸ Number of locking levers: 2

770-606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-606	50
white	A	L ⏚ N	770-656	50

Measurement and regulation technology				
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

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-667	50



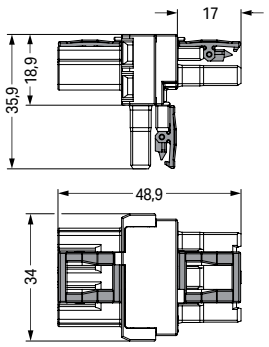
T-distribution connector ▸ for flying leads ▸ Number of locking levers: 3

770-606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-615	50
white	A	L ⏚ N	770-665	50

Measurement and regulation technology				
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

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-670	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

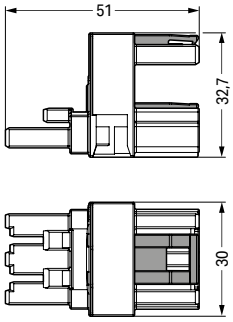
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

h-distribution connector (bi-directional) ▸ Number of locking levers: 2

770-633

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-633	50
white	A	L ⏚ N	770-683	50

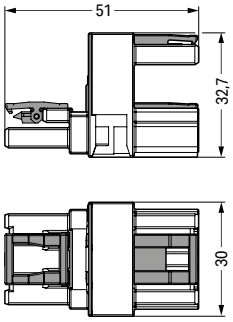


h-distribution connector (bi-directional) ▸ for flying leads ▸ Number of locking levers: 3

770-633

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-635	50
white	A	L ⏚ N	770-685	50



2

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

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
Pole No.: 3

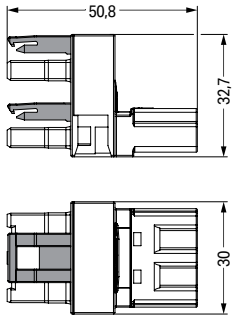
h-distribution connector (unidirectional) ▸ Number of locking levers: 2

770-634

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-634	50
white	A	L ⏚ N	770-684	50

Measurement and regulation technology				
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

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-934	50



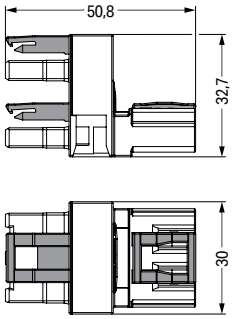
h-distribution connector (unidirectional) ▸ for flying leads ▸ Number of locking levers: 3

770-634

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-636	50
white	A	L ⏚ N	770-686	50

Measurement and regulation technology				
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

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-936	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole		
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
Pole No.: 3

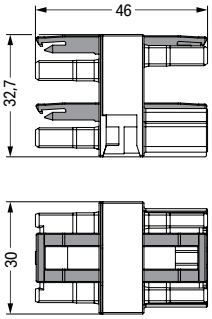
Distribution connector, 3-way,

770-607

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-607	50
white	A	L ⏚ N	770-657	50

Measurement and regulation technology				
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

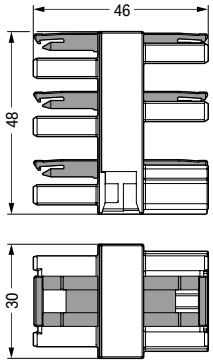
EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L ⏚ N	770-907	50



Distribution connector (5-way)

770-608

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-608	25
white	A	L ⏚ N	770-658	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole		
Color	Item No.	PU
black	770-623	25
white	770-673	25

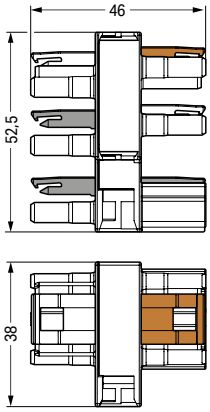
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

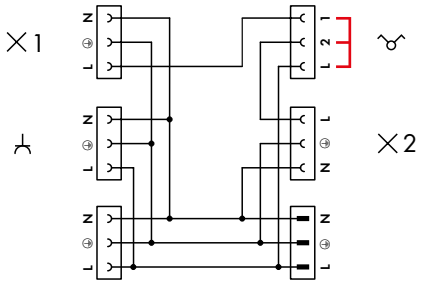
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

Distribution connector for single-pole switch or series circuits ▸ for single-pole switch and series circuits

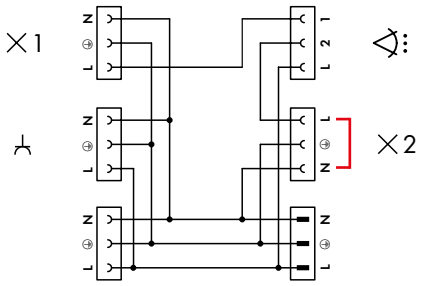
770-637

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	plain	770-637	10
white	A	plain	770-687	10

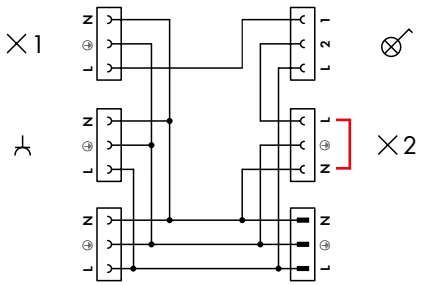




Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug



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

Accessories; for all products on this page

Shorting plug; for distribution connectors; series and two-way circuits; Pole No.: 3; Coding: A		
Marking	Item No.	PU
⌐¬	770-113/147-000	25

Shorting plug; for distribution connectors; series and two-way circuits; Pole No.: 3; Coding: S		
Marking	Item No.	PU
⌐	770-1373/146-000	25
⌐¬	770-1373/147-000	25
⌐	770-1373/148-000	25
⌐⌐	770-1373/149-000	25

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

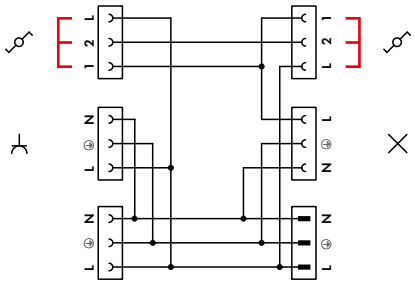
Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole		
Color	Item No.	PU
black	770-623	25
white	770-673	25

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 3

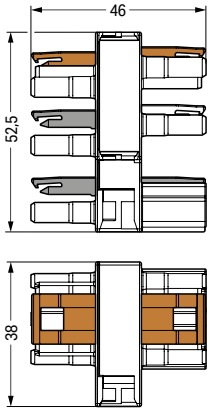
Distribution connector for single-pole switch and two-way circuits ▸ for single-pole switch and two-way circuits

770-638



Internal circuit of 770-638 Distribution Connector with possible insertion positions of 770-1373/14x-000 Shorting Plug

General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	plain	770-638	10
○ white	A	plain	770-688	10



Accessories; for all products on this page

Shorting plug; for distribution connectors; series and two-way circuits; Pole No.: 3; Coding: S		
Marking	Item No.	PU
⌐	770-1373/146-000	25
⌐¬	770-1373/147-000	25
⌐	770-1373/148-000	25
⌐⌐	770-1373/149-000	25

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
● yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole		
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

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

Electrical Data									
Coding	**A;B;P;S**			**A;P**			**B**		
Wire cross-section	**1.5 mm²**			**2.5 mm²**			**1 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	250 V	-	-	250 V	-	-	250 V	-	-
Rated impulse voltage	4 kV	-	-	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-	10 A	-	-

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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 type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

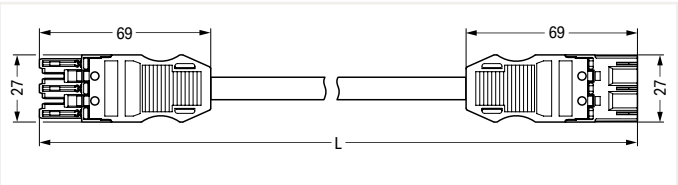
All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

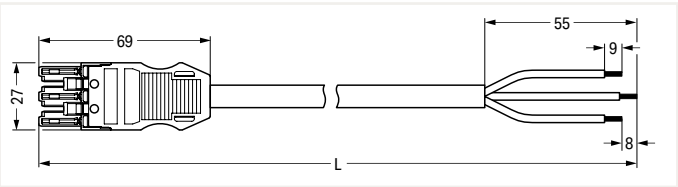
Cables with a different fire class can be found in the eShop.

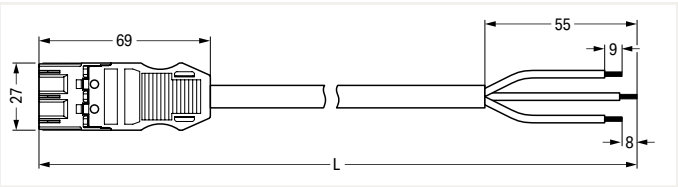
Cover	Page 380
Marking	Page 405
See technical section for further information	
For approvals and corresponding ratings, visit www.wago.com	

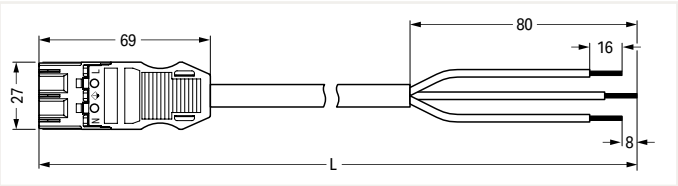
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5 ▸ General mains applications









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 (outer insulation): 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 (outer insulation): 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 (outer insulation): 80 mm ▸ for installation of switches and outlets

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

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)

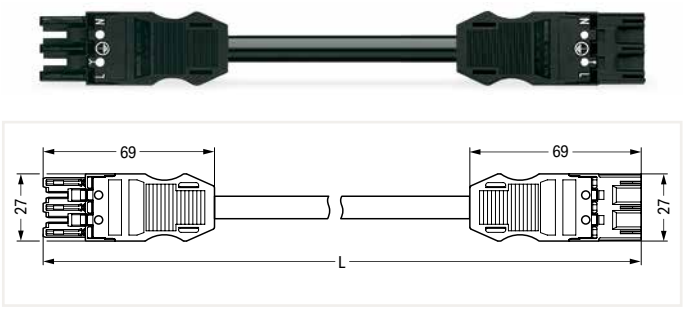
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

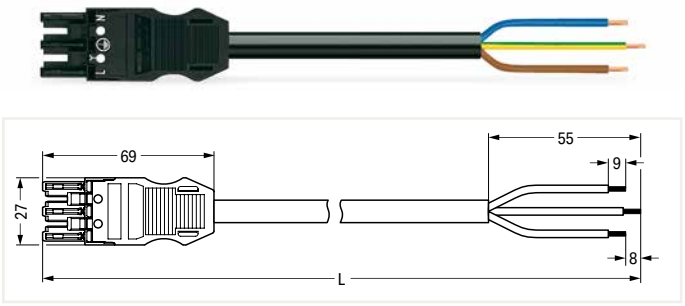
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5 ▸ General mains applications



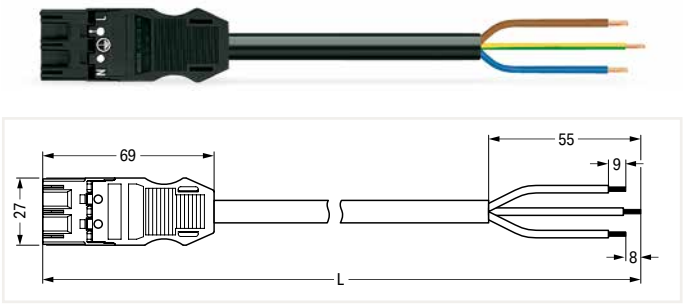
Interconnecting cable ▸ Socket - Plug

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



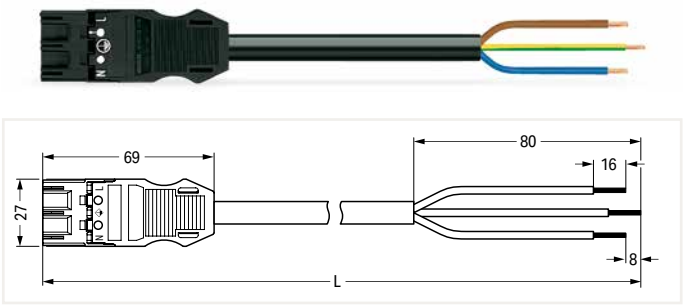
Connecting cable ▸ Socket - Free end ▸ Strip length (outer insulation): 55 mm

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 (outer insulation): 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 (outer insulation): 80 mm ▸ for installation of switches and outlets

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

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)

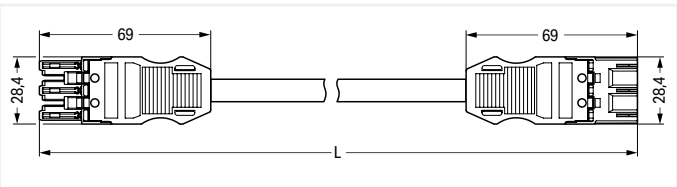
Mounting carrier; for flying leads; 2- to 5-pole

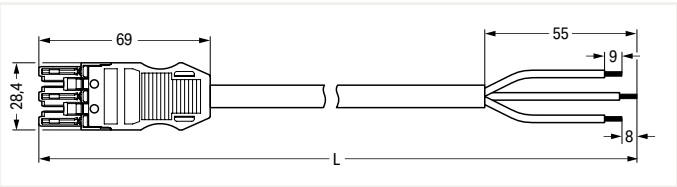
Color	Item No.	PU
● black	770-310	25

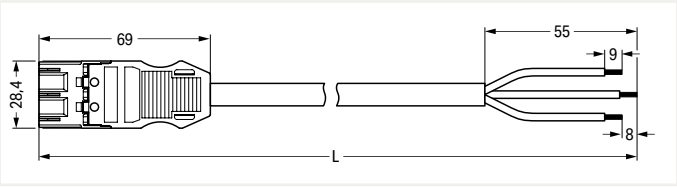
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

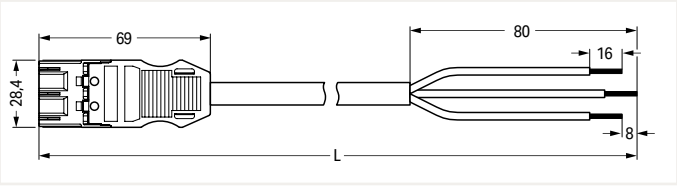
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed cable diameter: 9.2 … 11.4 mm ▸ H05VV-F 3G2.5 ▸ General mains applications









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 (outer insulation): 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 (outer insulation): 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 (outer insulation): 80 mm ▸ for installation of switches and outlets

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

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)

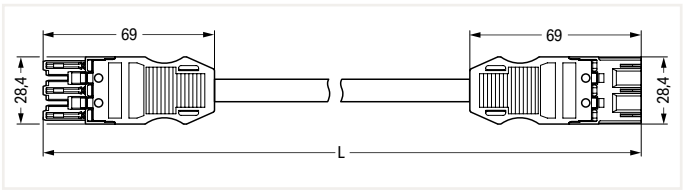
Mounting carrier; for flying leads; 2- to 5-pole

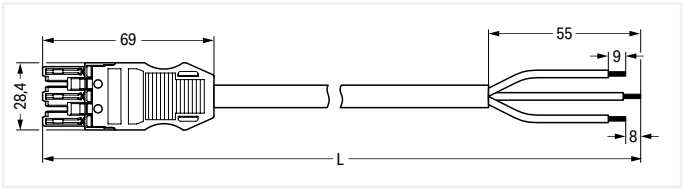
Color	Item No.	PU
● black	770-310	25

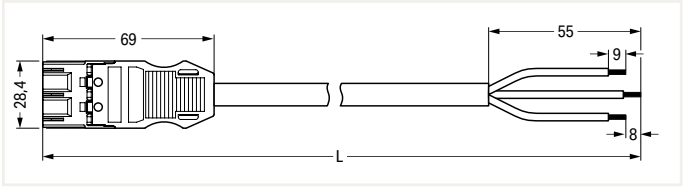
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

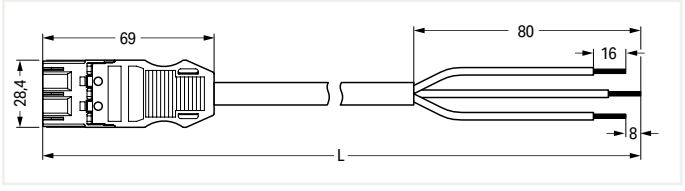
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 9.2 … 11.4 mm ▸ H05Z1Z1-F 3G2.5 ▸ General mains applications









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 (outer insulation): 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 (outer insulation): 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 (outer insulation): 80 mm ▸ for installation of switches and outlets

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

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)

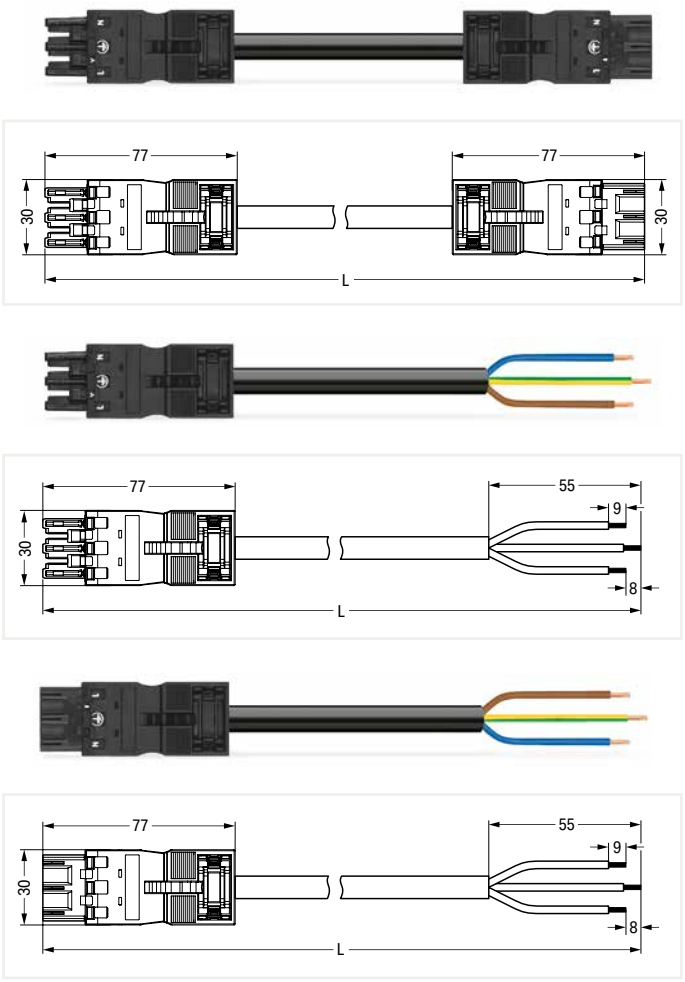
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ Fire class per EN 50575: E_{ca} ▸ General mains applications ▸ 1.5 mm² ▸ PVC ▸ Sheathed 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 (outer insulation): 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 (outer insulation): 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

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)

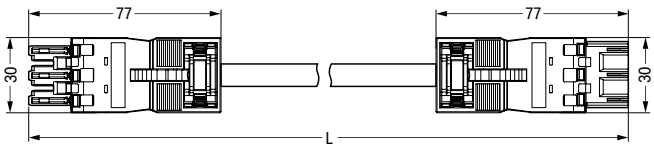
Mounting carrier; for flying leads; 2- to 5-pole

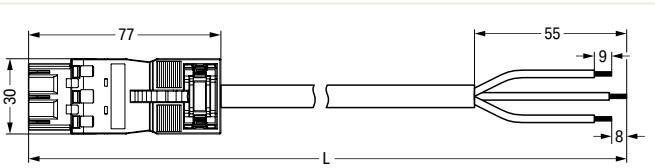
Color	Item No.	PU
● black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ Fire class per EN 50575: E_{ca} ▸ General mains applications ▸ 1.5 mm² ▸ Halogen-free ▸ Sheathed 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 (outer insulation): 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 (outer insulation): 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)

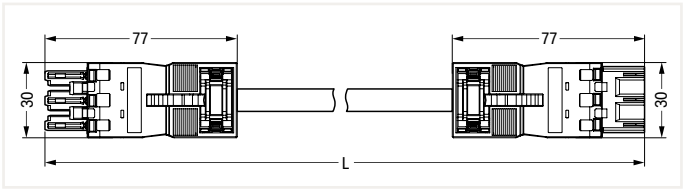
Mounting carrier; for flying leads; 2- to 5-pole

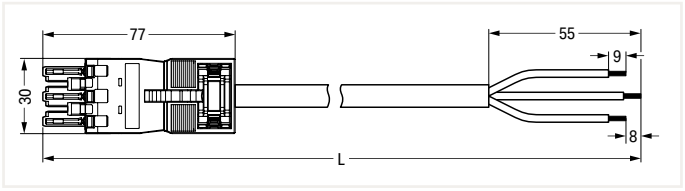
Color	Item No.	PU
● black	770-310	25

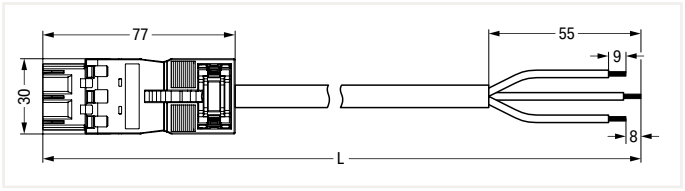
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ Fire class per EN 50575: E_{ca} ▸ General mains applications ▸ 2.5 mm² ▸ PVC ▸ Sheathed 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 (outer insulation): 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 (outer insulation): 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

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)

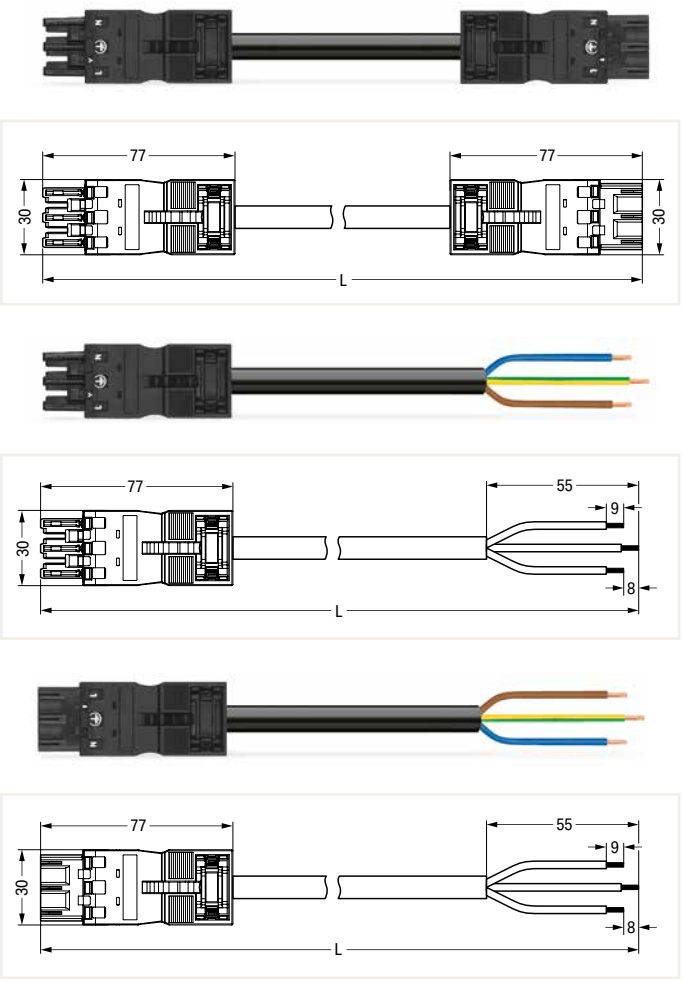
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP 2xD ▸ Coding: A ▸ Marking: L ⏚ N ▸ Fire class per EN 50575: E_{ca} ▸ General mains applications ▸ 2.5 mm² ▸ Halogen-free ▸ Sheathed 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 (outer insulation): 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 (outer insulation): 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)

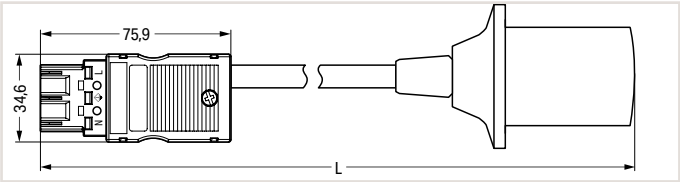
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

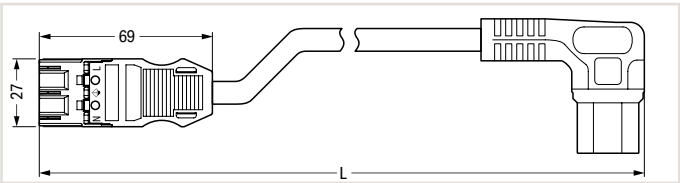
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ PVC ▸ General mains application



Adapter cable ▸ plug – E 27 lamp socket ▸ 0.75 mm² ▸ Connectable sheathed cable diameter: 5.7 … 7.2 mm ▸ H05VV-F 2x0.75

Length	Connector color/Strain relief color			PU
	black/black			
0.5 m	771-8993/1004-051			1



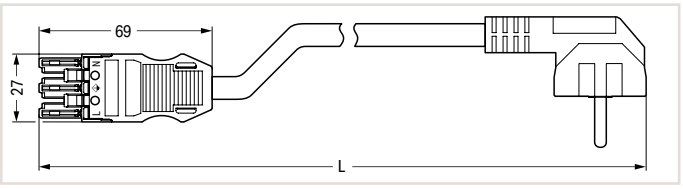
Interconnecting cable ▸ plug – cold equipment socket ▸ angled ▸ 1 mm² ▸ Connectable sheathed cable diameter: 6.3 … 8 mm ▸ H05VV-F 3G1

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

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

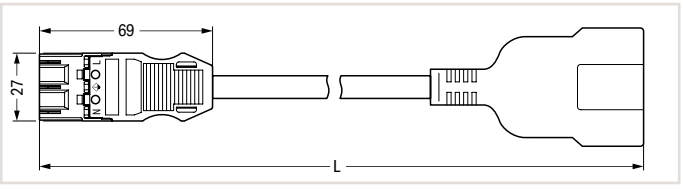
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ PVC ▸ General mains application



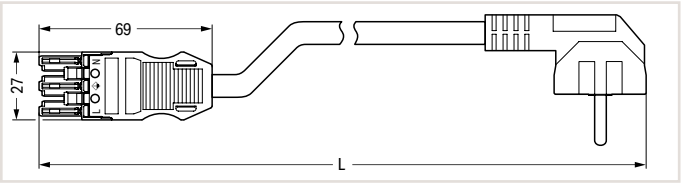
Interconnecting cable ▸ socket – SCHUKO® plug ▸ angled ▸ 1.5 mm² ▸ Connectable sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5

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 ▸ plug – SCHUKO® socket ▸ 1.5 mm² ▸ Connectable sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5

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



Interconnecting cable ▸ socket – SCHUKO® plug ▸ angled ▸ 2.5 mm² ▸ Connectable sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5

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

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)

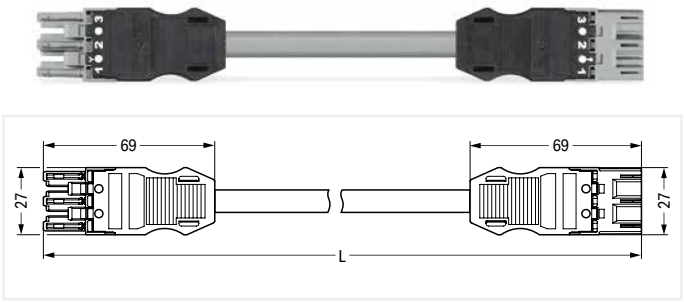
Mounting carrier; for flying leads; 2- to 5-pole

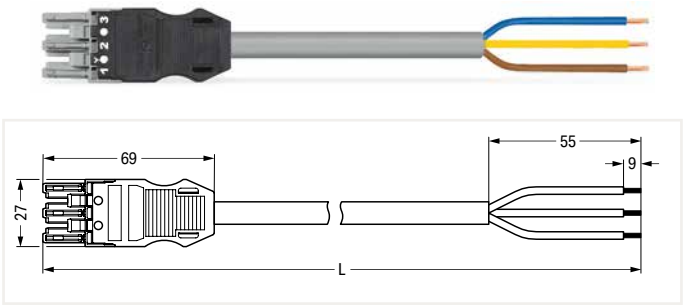
Color	Item No.	PU
● black	770-310	25

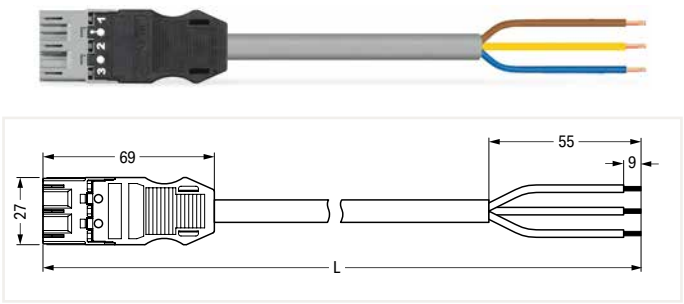
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ Sheathed cable diameter: 6.3 … 8 mm ▸ Control line 3 x 1 ▸ Measurement and regulation technology







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 ▸ Strip length (outer insulation): 55 mm

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 ▸ Strip length (outer insulation): 55 mm

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

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)

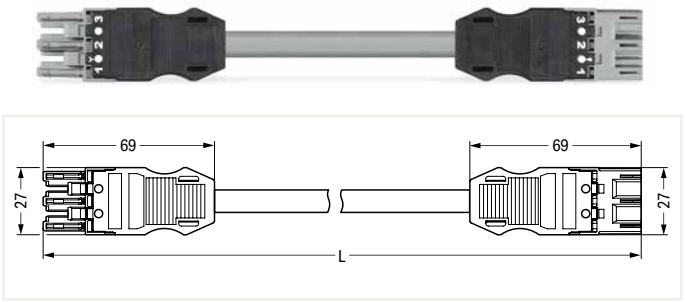
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

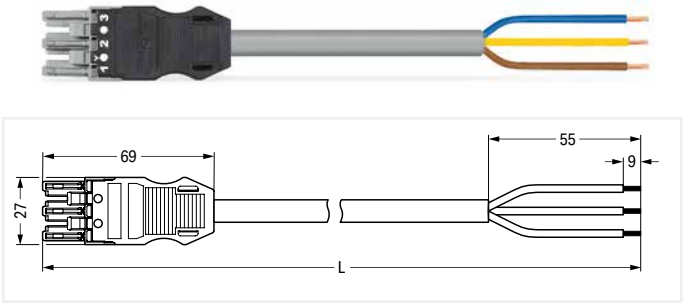
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ Control line 3 x 1.5 ▸ Measurement and regulation technology



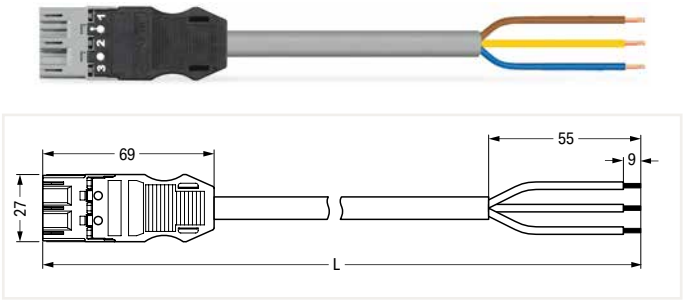
Interconnecting cable ▸ Socket - Plug

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 ▸ Strip length (outer insulation): 55 mm

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 ▸ Strip length (outer insulation): 55 mm

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)

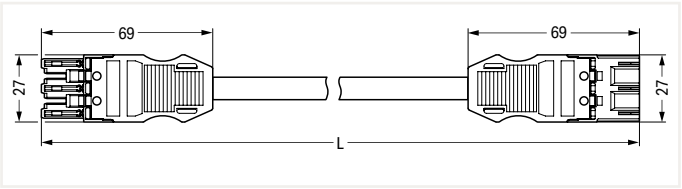
Mounting carrier; for flying leads; 2- to 5-pole

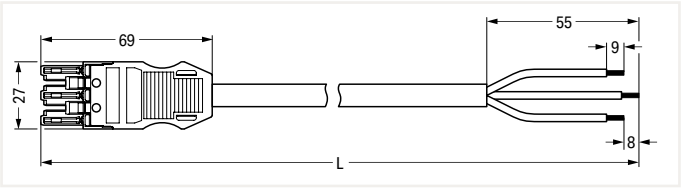
Color	Item No.	PU
black	770-310	25

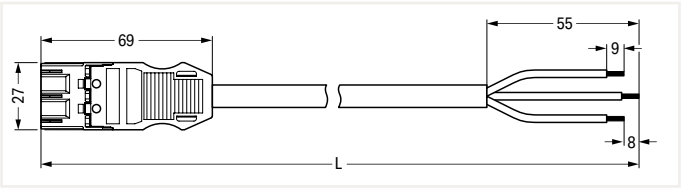
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5 ▸ EDV (UPS)







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 (outer insulation): 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 (outer insulation): 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

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)

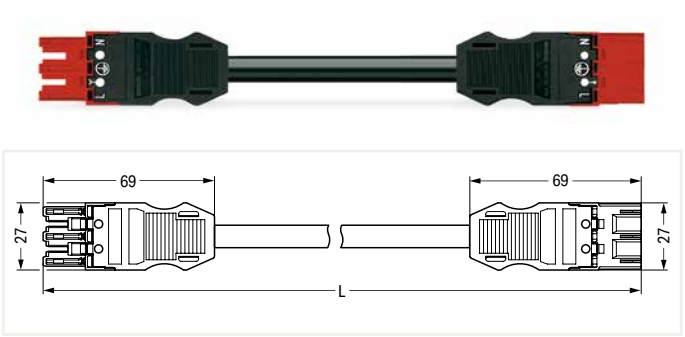
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

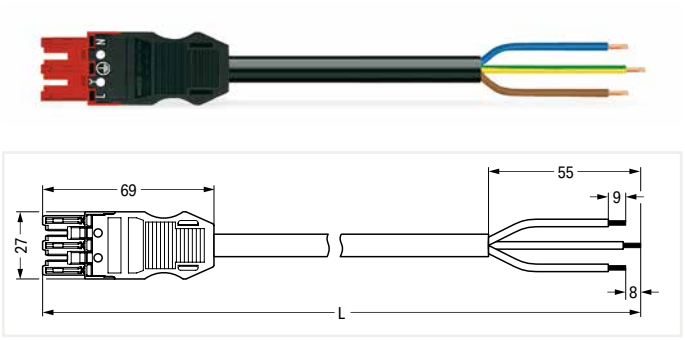
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5 ▸ EDV (UPS)



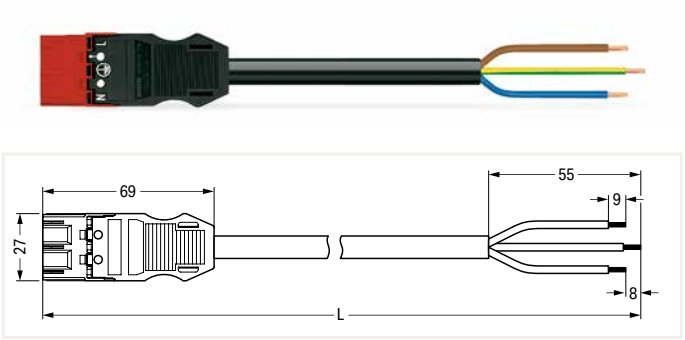
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

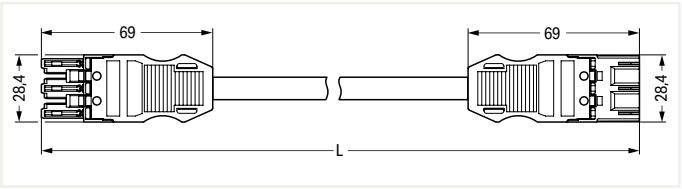
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

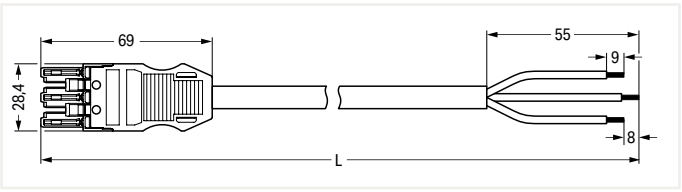
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed cable diameter: 9.2 … 11.4 mm ▸ H05VV-F 3G2.5 ▸ EDV (UPS)



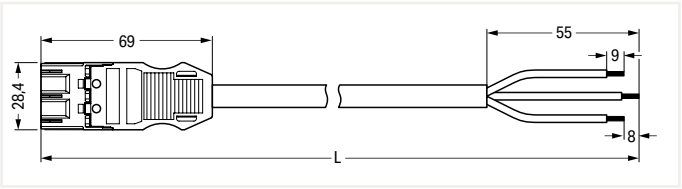
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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

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)

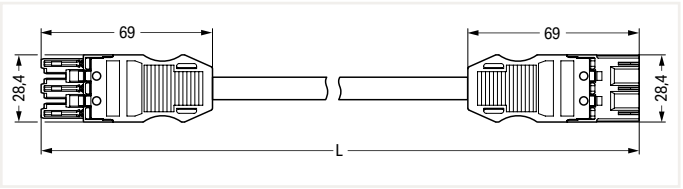
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

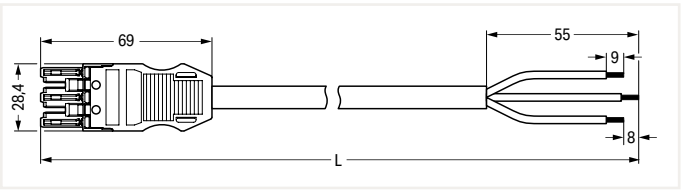
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 9.2 … 11.4 mm ▸ H05Z1Z1-F 3G2.5 ▸ EDV (UPS)



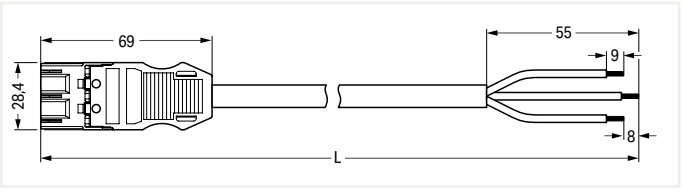
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

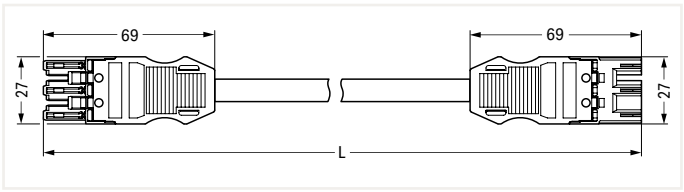
Mounting carrier; for flying leads; 2- to 5-pole

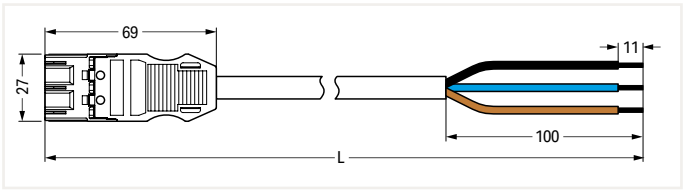
Color	Item No.	PU
● black	770-310	25

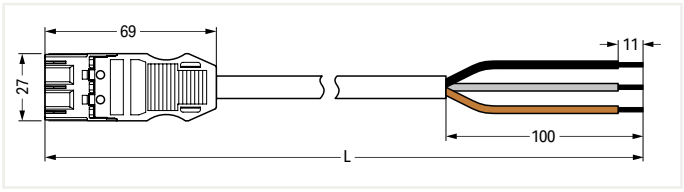
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3x1.5 ▸ Switching function







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 (outer insulation): 100 mm ▸ for distribution connectors (motion sensors)

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

Connecting cable ▸ Plug - Free end ▸ Strip length (outer insulation): 100 mm ▸ for distribution connectors; 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

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)

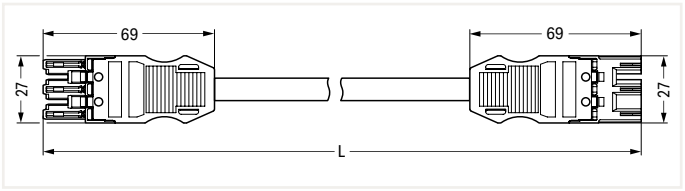
Mounting carrier; for flying leads; 2- to 5-pole

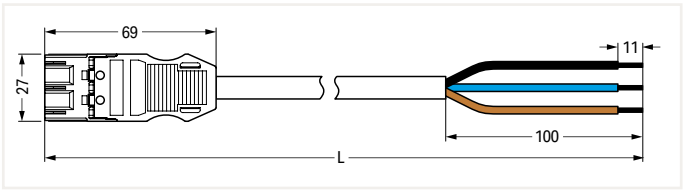
Color	Item No.	PU
● black	770-310	25

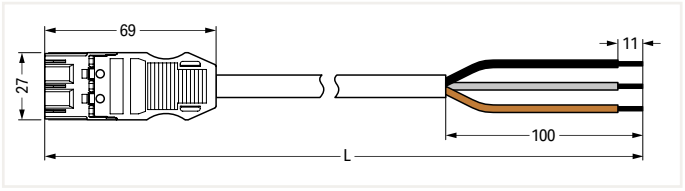
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ Halogen-free ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3x1.5 ▸ Switching function







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 (outer insulation): 100 mm ▸ for distribution connectors (motion sensors)				
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

Connecting cable ▸ Plug - Free end ▸ Strip length (outer insulation): 100 mm ▸ for distribution connectors; 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

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)

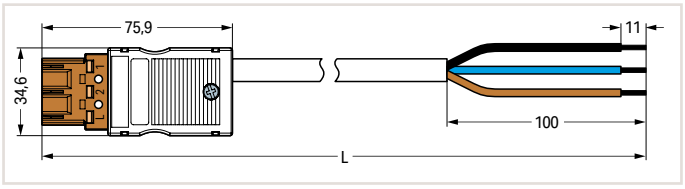
Mounting carrier; for flying leads; 2- to 5-pole		
Color	Item No.	PU
black	770-310	25

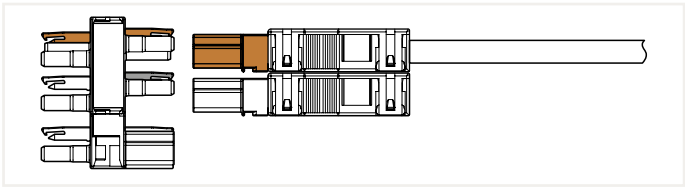
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

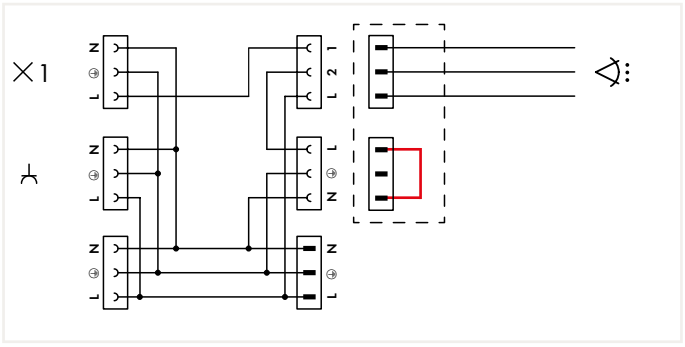
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A + S ▸ 1.5 mm² ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 ▸ H05VV-F 3x1.5 ▸ Switching function

Connecting cable ▸ plug/plug – free end				
Length	Connector color/Strain relief color			PU
	black/black			
3 m	771-5001/106-000			1
4 m	771-5001/107-000			1







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.

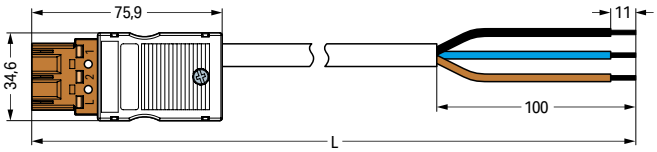
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

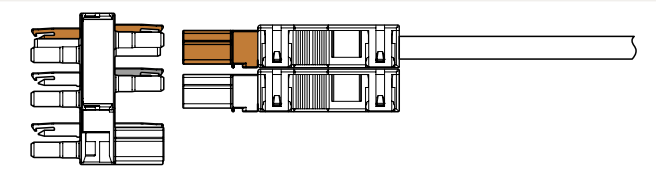
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

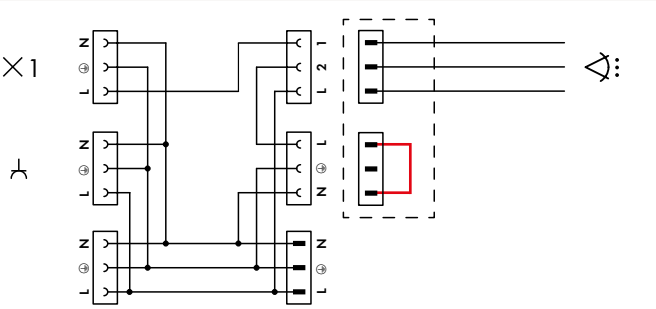
No. of poles: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A + S ▸ 1.5 mm² ▸ Halogen-free ▸ Sheathed cable diameter: 7.4 … 9.4 ▸ H05VV-F 3x1.5 ▸ Switching function

Connecting cable ▸ plug/plug – free end				
Length	Connector color/Strain relief color			PU
	black/black			
3 m	771-5001/131-000			1
4 m	771-5001/132-000			1

2







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.

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: 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

2

Electrical Data

Coding	A;B			Q		
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	-	-

Approbations 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 insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material Data

Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data

Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

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See technical section for further information	
For approvals and corresponding ratings, visit www.wago.com	

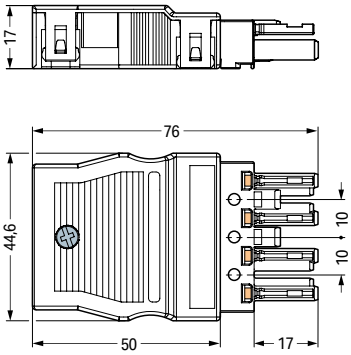
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series

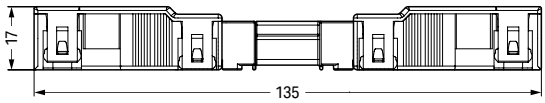
Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm

770-104

General mains applications				
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



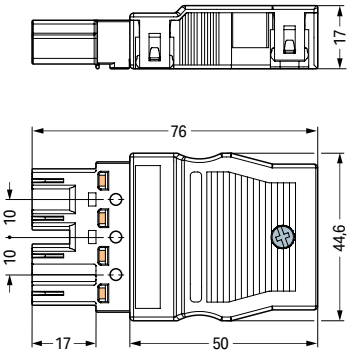


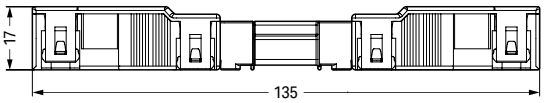
Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm

770-114

General mains applications				
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; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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

Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket

770-204

General mains applications

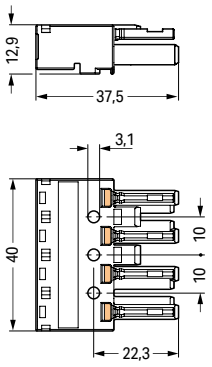
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-204	50
white	A	N ⏚ 2/L 1/L'	770-224	50

For „Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-1324	50

Measurement and regulation technology

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 ⏚ 2 1	770-244/062-000	50
gray	B	2L ⏚ 1L L	770-244/064-000	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



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; Pole No.: 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 (outer insulation): 55 mm

Color	Item No.	PU
black	770-504	25
white	770-514	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-504/023-000	25
white	770-514/023-000	25

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Male connector/plug

770-214

General mains applications

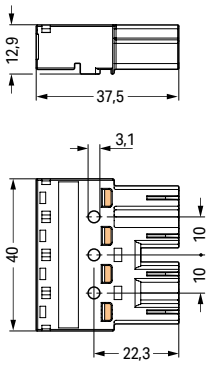
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-214	50
white	A	N ⏚ 2/L 1/L'	770-234	50

For „Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-1334	50

Measurement and regulation technology

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 ⏚ 2 1	770-254/062-000	50
gray	B	2L ⏚ 1L L	770-254/064-000	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



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 plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-504	25
white	770-514	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-504/023-000	25
white	770-514/023-000	25

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

Snap-in Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

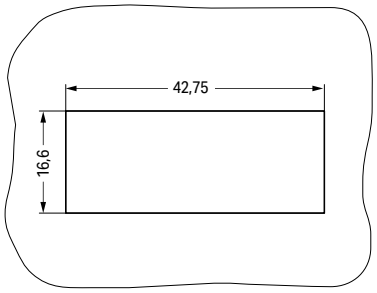


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data						
Coding	A;B			Q		
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	-	-
Approbations 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 insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

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See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Snap-in Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

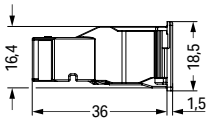
Female connector/socket

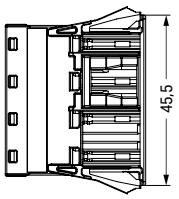
770-704

General mains applications				
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

Measurement and regulation technology				
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 ⏚ 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

For „Clean Ground" applications				
Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-2324	100





Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for cutout; Pole No.: 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

Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Male connector/plug

770-714

General mains applications

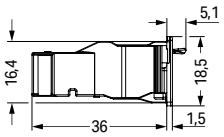
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-714	100
white	A	N ⏚ 2/L 1/L'	770-734	100

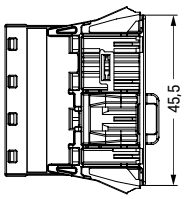
Measurement and regulation technology

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 ⏚ 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

For „Clean Ground" applications

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 plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Lockout cap; for cutout; Pole No.: 4

Color	Item No.	PU
black	770-644	100
white	770-694	100

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

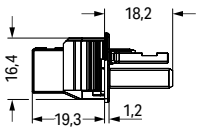
Snap-in Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series

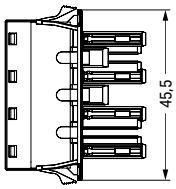
Pole No.: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

with protruding interface ▸ Female connector/socket

770-704/009-000

General mains applications				
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





Item-Specific Accessories

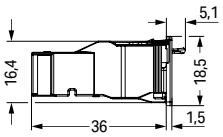
Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

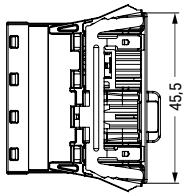
with direct ground contact ▸ Male connector/plug

770-714/007-000

General mains applications				
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

For „Clean Ground" applications				
Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-2334/007-000	100





Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; Pole No.: 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
Pole No.: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical Data				
Coding	A;B			
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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
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 with tolerance	1.5 $^{(-0.1 \ldots +0.1)}$ mm
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Coding Page 379

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

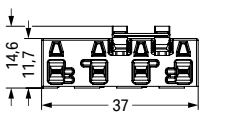
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

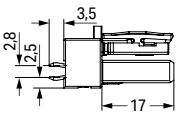
straight ▸ Female connector/socket

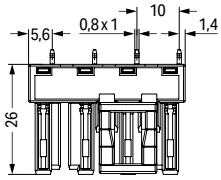
770-804

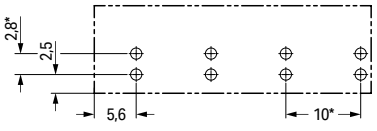
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-804	50
white	A	N ⏚ 2/L 1/L'	770-824	50

Measurement and regulation technology				
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 ⏚ 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

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

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

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

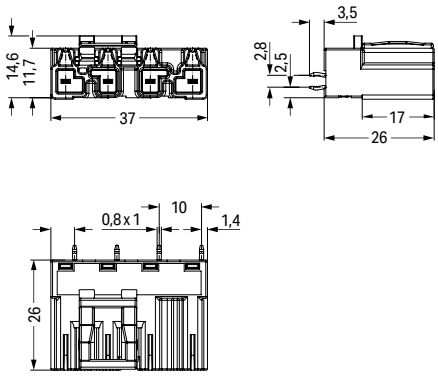
straight ▸ Male connector/plug

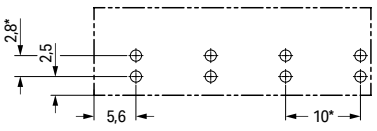
770-814

2

General mains applications				
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

Measurement and regulation technology				
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 ⏚ 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

Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

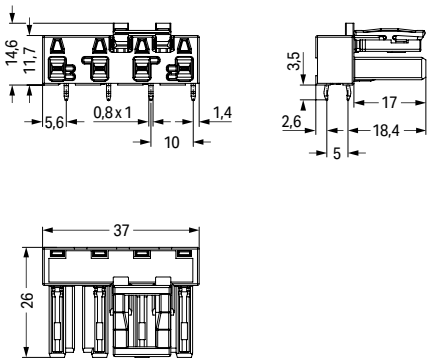
Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

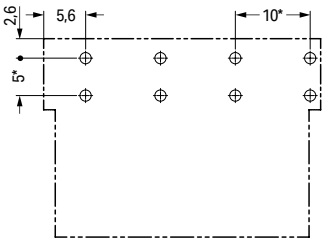
angled ▸ Female connector/socket

770-804/011-000

General mains applications				
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

Measurement and regulation technology				
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 ⏚ 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





Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

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

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

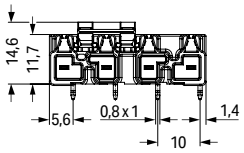
angled ▸ Male connector/plug

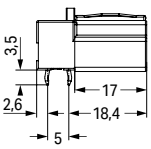
770-814/011-000

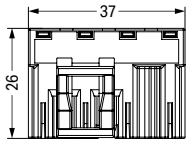
2

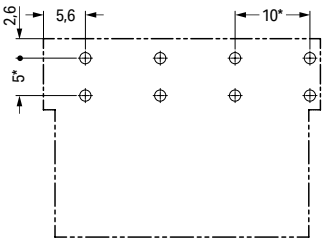
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-814/011-000	50
white	A	N ⏚ 2/L 1/L'	770-834/011-000	50

Measurement and regulation technology				
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 ⏚ 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









* ± 0.05 mm
Drilled hole diameter: $1.5^{+0.1}$ mm

Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

Electrical Data				
Coding	**A;B**			
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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Coding Page 379

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

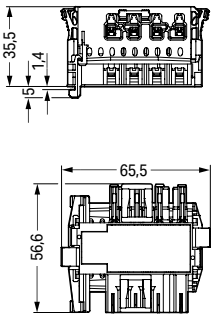
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

Linect® T-connector

770-6224

General mains applications

Cover Color	Coding	Marking	Item No.	PU
◯ white	A	N ⏚ 2/L 1/L'	770-6224	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
● black	770-201	100
◯ white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
● yellow	770-360	100

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

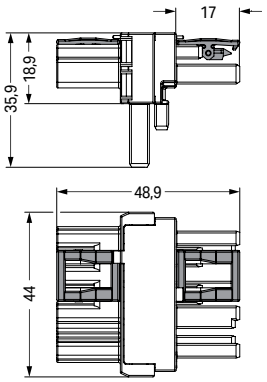
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

T-distribution connector ▸ Number of locking levers: 2

770-626

General mains applications				
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

Measurement and regulation technology				
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

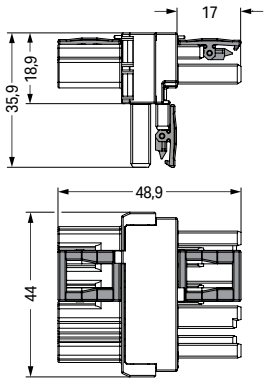


T-distribution connector ▸ for flying leads ▸ Number of locking levers: 3

770-626

General mains applications				
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

Measurement and regulation technology				
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



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

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

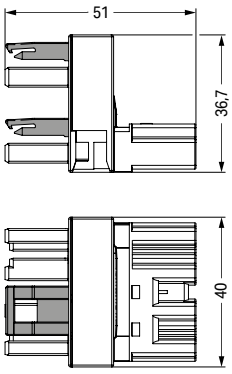
770-944

General mains applications

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

Measurement and regulation technology

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) ▸ for flying leads ▸ Number of locking levers: 3

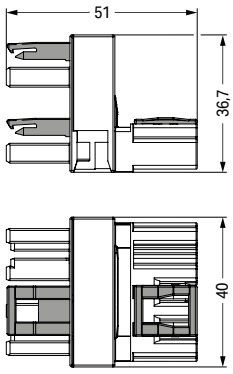
770-944

General mains applications

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

Measurement and regulation technology

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



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

Color	Item No.	PU
black	770-624	25
white	770-674	25

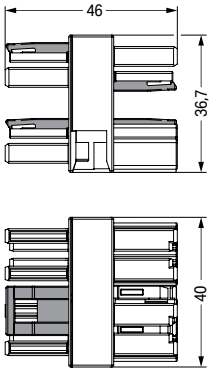
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 4

Distribution connector, 3-way,

770-1734

Measurement and regulation technology				
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



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole		
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

Pole No.: 4 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

Electrical Data						
Coding	**A;B**			**B**		
Wire cross-section	**1.5 mm²**			**1 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	16 A	-	-	10 A	-	-

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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 type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables with a different fire class can be found in the eShop.

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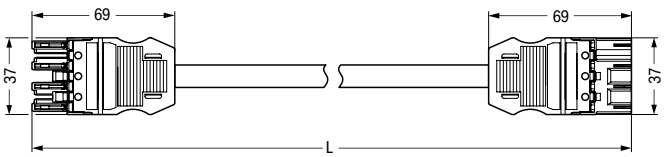
Marking	Page 405

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

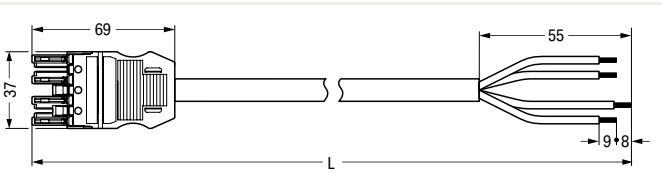
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 4 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ PVC ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ H05VV-F 4G1.5 ▸ General mains applications



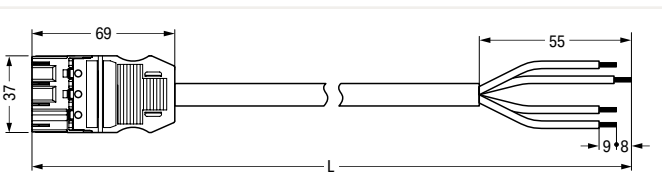
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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

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)

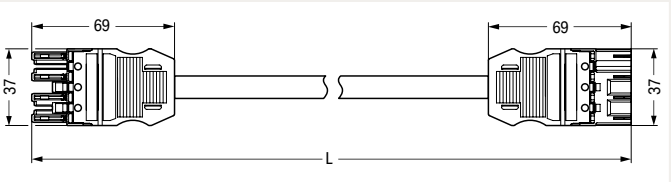
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

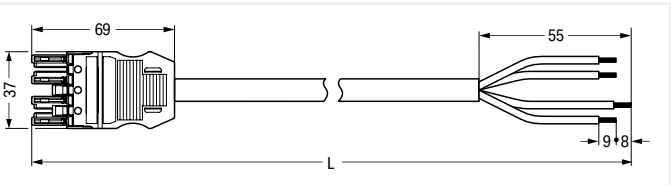
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 4 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ Halogen-free ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ H05Z1Z1-F 4G1.5 ▸ General mains applications



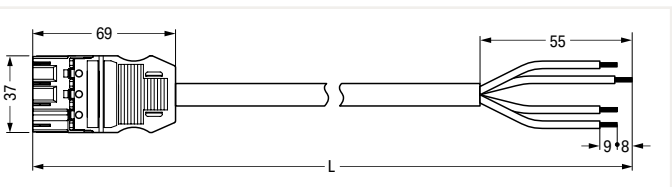
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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	771-9994/216-302		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)

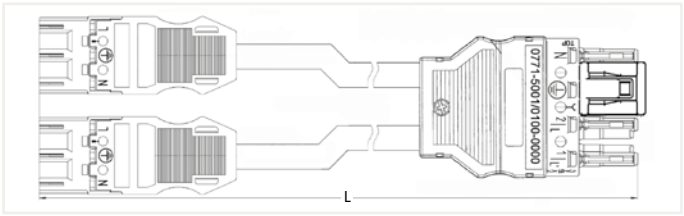
Mounting carrier; for flying leads; 2- to 5-pole

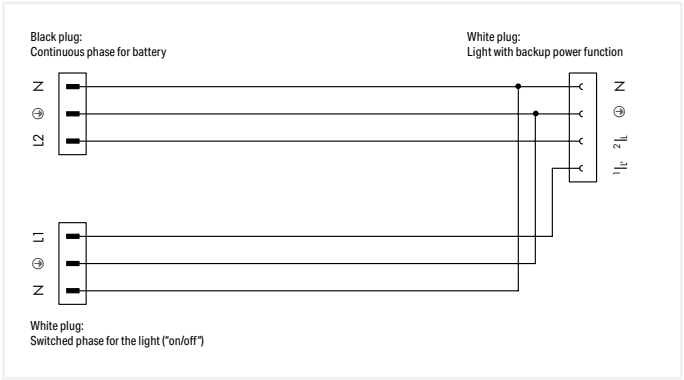
Color	Item No.	PU
● black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 4 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 ▸ H05VV-F 3G1.5 ▸ Backup power function





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.

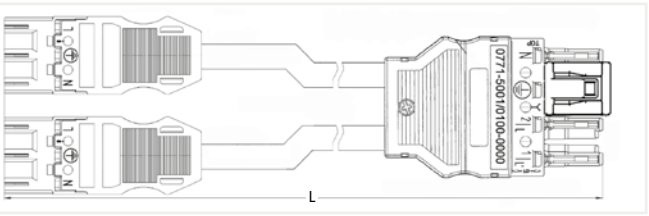
Y-cable				
Length	Connector color/Strain relief color			PU
	black/black			
0.6 m	771-5001/100-000			1

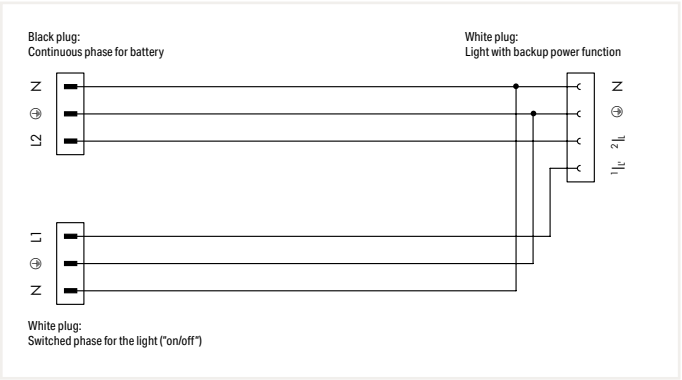
2

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 4 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Halogen-free ▸ Sheathed cable diameter: 7.4 … 9.4 ▸ H05VV-F 3G1.5 ▸ Backup power function





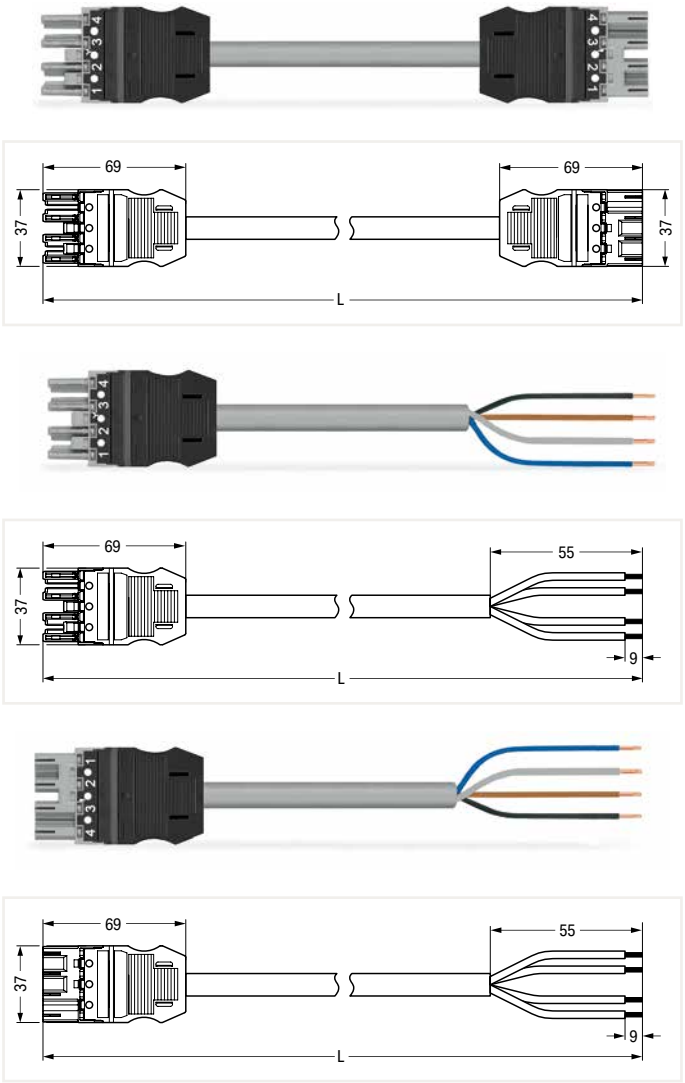
This cable connects lights with backup power function (battery pack). The black 3-pole plug connects the continuous phase for the battery, while the white 3-pole plug connects the switched phase for the light ("on/off").
The white 4-pole socket can be directly plugged into the light.

Y-cable				
Length	Connector color/Strain relief color			PU
	black/black			
0.6 m	**771-5001/110-000**			1

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 4 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Sheathed cable diameter: 7.1 … 9 mm ▸ Control line 4 x 1 ▸ Measurement and regulation technology



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 ▸ Strip length (outer insulation): 55 mm

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 ▸ Strip length (outer insulation): 55 mm

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)

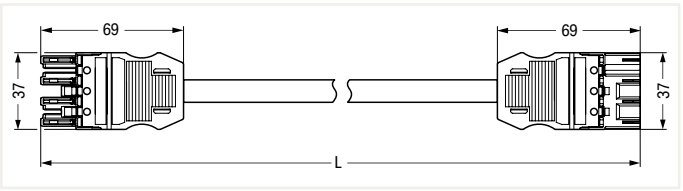
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
black	770-310	25

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

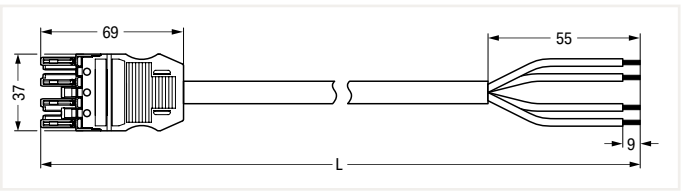
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 4 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ Control line 4 x 1.5 ▸ Measurement and regulation technology



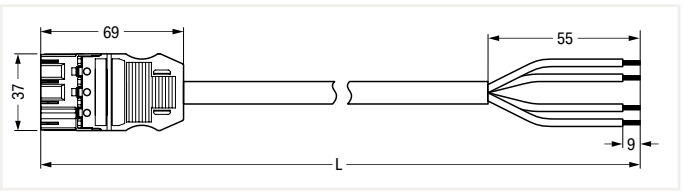
Interconnecting cable ▸ Socket - Plug

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 ▸ Strip length (outer insulation): 55 mm

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 ▸ Strip length (outer insulation): 55 mm

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)

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

Color	Item No.	PU
black	770-310	25

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5 ▸ Protection type: 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

2

Electrical Data						
Coding	A;B;I;L;P			Q		
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	-	-
Approbations 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 insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Coding	Page 379
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See technical section for further information

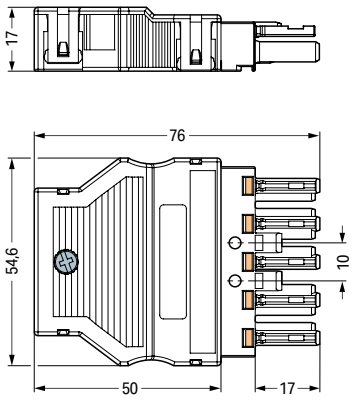
For approvals and corresponding ratings, visit www.wago.com

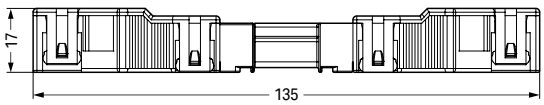
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5 ▸ Protection type: IP20

Number of connection points: 2 ▸ Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm

770-105

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-105	25
white	A	N ⏚ L1 L2 L3	770-125	25



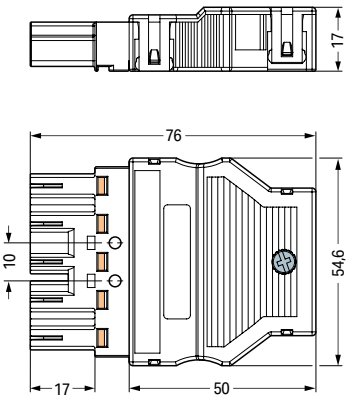


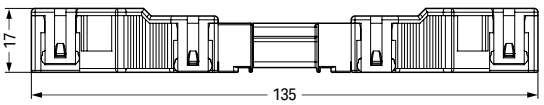
Overall length when mated

Number of connection points: 2 ▸ Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm

770-115

General mains applications				
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 socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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

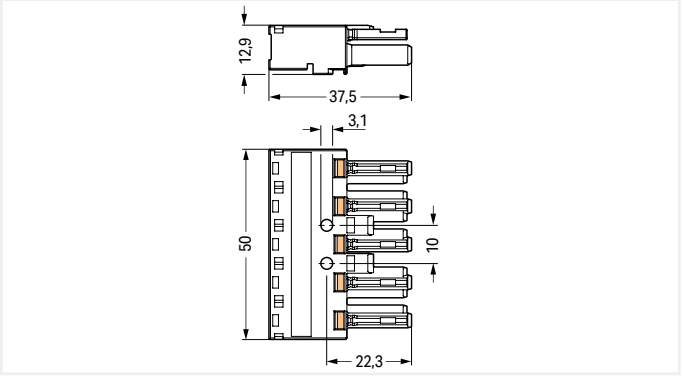
Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5 ▸ Protection type: IP20

Number of connection points: 2 ▸ Female connector/socket

770-205

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-205	50
white	A	N ⏚ L1 L2 L3	770-225	50

Measurement and regulation technology				
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 ⏚ 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



DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-1105	50

Emergency power supply				
Color	Coding	Marking	Item No.	PU
dark gray	L	N ⏚ L N' L'	770-1165	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-1305	50

For „Clean Ground" applications				
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; Pole No.: 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 (outer insulation): 55 mm		
Color	Item No.	PU
black	770-505	25
white	770-515	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm		
Color	Item No.	PU
black	770-505/023-000	25
white	770-515/023-000	25

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5 ▸ Protection type: IP20

Number of connection points: 2 ▸ Male connector/plug

770-215

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-215	50
white	A	N ⏚ L1 L2 L3	770-235	50

Measurement and regulation technology

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 ⏚ 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

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-1115	50

Emergency power supply

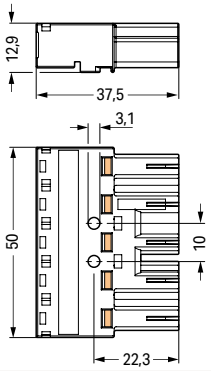
Color	Coding	Marking	Item No.	PU
dark gray	L	N ⏚ L N' L'	770-1175	50

EDV (UPS)

Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-1315	50

For „Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-1335	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 plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-505	25
white	770-515	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-505/023-000	25
white	770-515/023-000	25

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

Pluggable Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5 ▸ Protection type: IP20

Number of connection points: 1 ▸ Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm

770-305

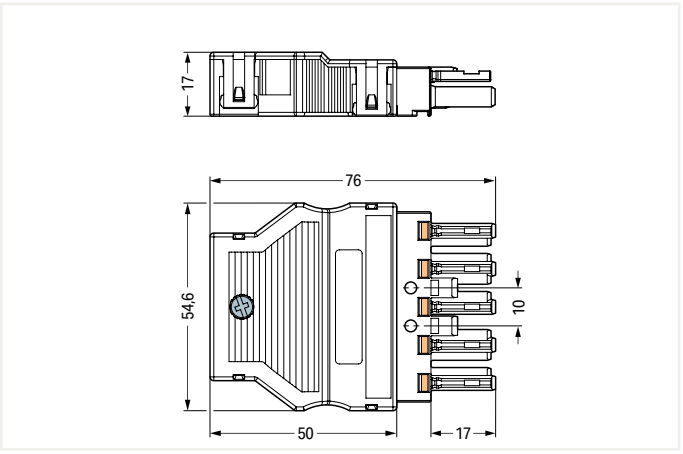
Number of connection points: 1 ▸ Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm

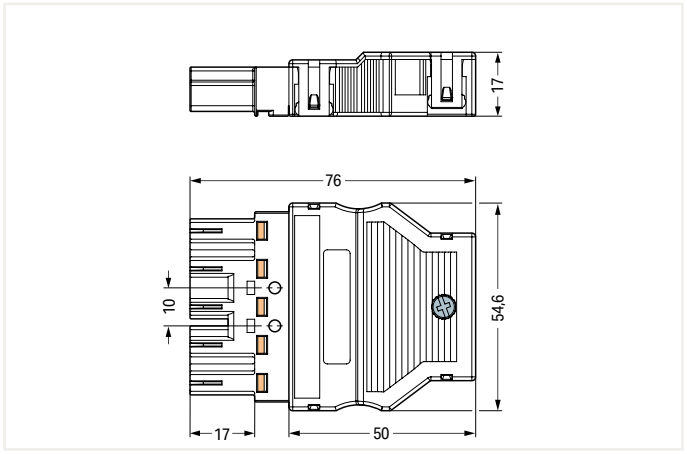
770-315

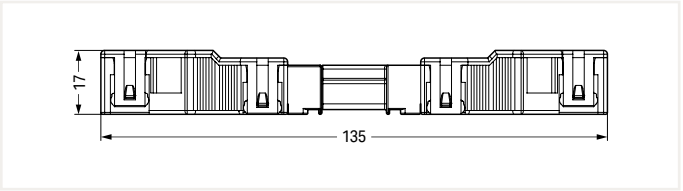
2

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-305	25
white	A	N ⏚ L1 L2 L3	770-325	25

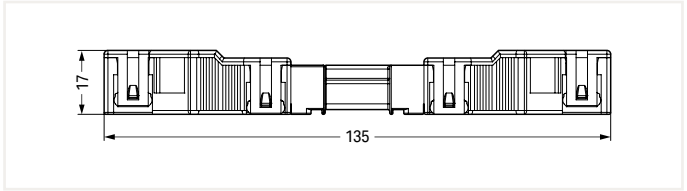
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-315	25
white	A	N ⏚ L1 L2 L3	770-335	25







Overall length when mated



Overall length when mated

Item-Specific Accessories

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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
Pole No.: 5 ▸ Protection type: IP20

Number of connection points: 1 ▸ Female connector/socket

Number of connection points: 1 ▸ Male connector/plug

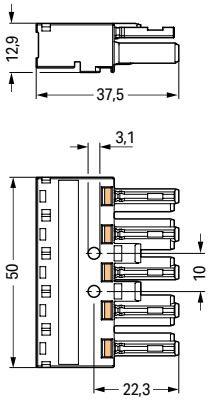
2

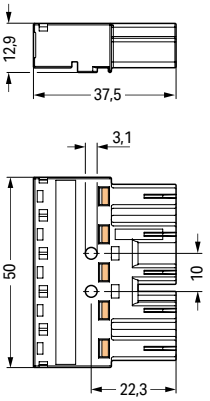
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-405	50
white	A	N ⏚ L1 L2 L3	770-425	50

General mains applications

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; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 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

Pole No.: 5 ▸ Number of connection points: 2 ▸ Protection type: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

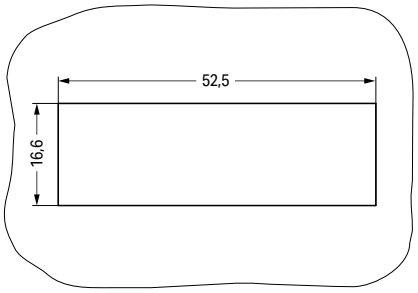


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data						
Coding	A;B;I;P			Q		
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	-	-
Approbations 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 insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Tool Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Snap-in Device Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket

770-705

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-705	50
white	A	N ⏚ L1 L2 L3	770-725	50

For „Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-2325	50

Measurement and regulation technology

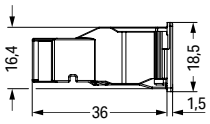
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-745	50
gray	B	N ⏚ L1 L2 L3	770-745/060-000	50
gray	B	N ⏚ 3 2 1	770-745/062-000	50
gray	B	N ⏚ L 2L 1L	770-745/064-000	50
light green	B	1 2 3 4 5	770-765	50
light green	B	1 ⏚ 2 3 4	770-765/073-000	50
pink	B	1 2 3 4 5	770-785	50
pink	B	N ⏚ L I- I+	770-785/080-000	50
pink	B	N ⏚ L - +	770-785/082-000	50

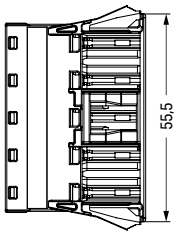
DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-2105	50

EDV (UPS)

Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-2305	50





Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for cutout; Pole No.: 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

Pole No.: 5 ▸ Number of connection points: 2 ▸ Protection type: IP20

2

Male connector/plug

770-715

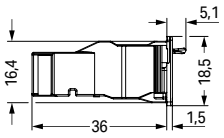
General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-715	50
white	A	N ⏚ L1 L2 L3	770-735	50

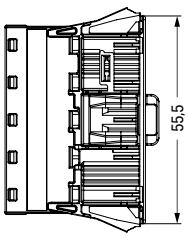
For „Clean Ground" applications				
Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-2335	50

Measurement and regulation technology				
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 ⏚ 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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-2115	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-2315	50





Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

Lockout cap; for cutout; Pole No.: 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

Pole No.: 5 ▸ Number of connection points: 2 ▸ Protection type: IP20

with protruding interface ▸ Female connector/socket

770-705/009-000

General mains applications

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

770-715/007-000

General mains applications

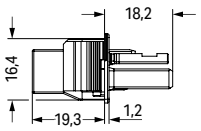
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-715/007-000	50
white	A	N ⏚ L1 L2 L3	770-735/007-000	50

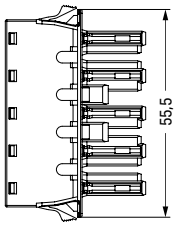
DALI, Lighting Management

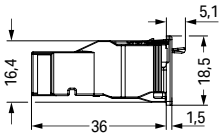
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-2115/007-000	50

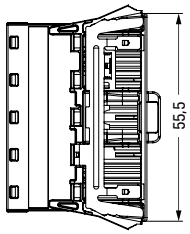
For „Clean Ground“ applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-2335/007-000	50









Item-Specific Accessories

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; Pole No.: 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
Pole No.: 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 connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical Data				
Coding	A;B;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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
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 with tolerance	1.5 $^{(-0.1 \ldots +0.1)}$ mm
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

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

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Coding Page 379

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

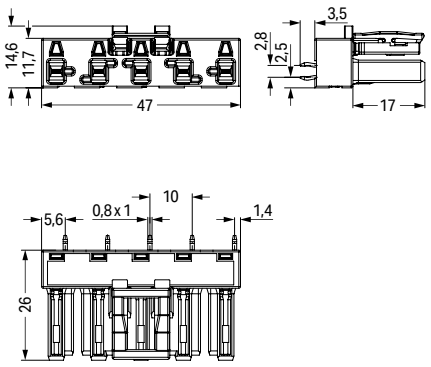
straight ▸ Female connector/socket

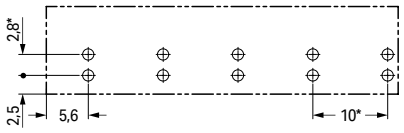
770-805

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-805	50
white	A	N ⏚ L1 L2 L3	770-825	50

Measurement and regulation technology				
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 ⏚ 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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-3105	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

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

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

straight ▸ Male connector/plug

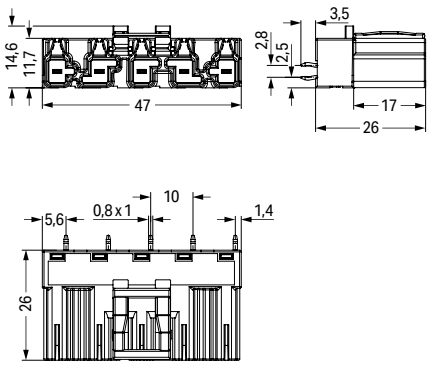
770-815

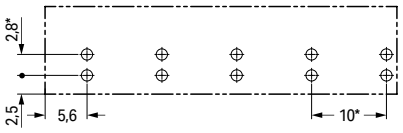
2

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-815	50
white	A	N ⏚ L1 L2 L3	770-835	50

Measurement and regulation technology				
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 ⏚ 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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-3115	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 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
Pole No.: 5

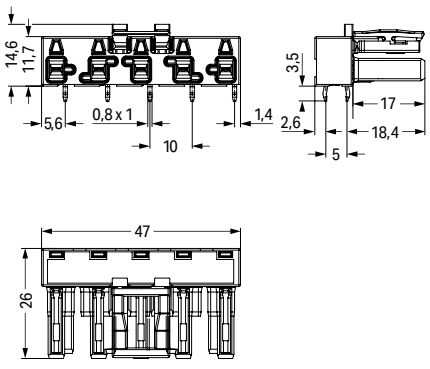
angled ▸ Female connector/socket

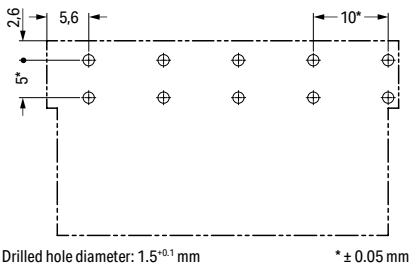
770-805/011-000

General mains applications				
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

Measurement and regulation technology				
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 ⏚ 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	N ⏚ L I- I+	770-885/011-000/080-000	50
pink	B	1 2 3 4 5	770-885/011-000	50
pink	B	N ⏚ L - +	770-885/011-000/082-000	50

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-3105/011-000	50





Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

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

Pluggable PCB Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

angled ▸ Male connector/plug

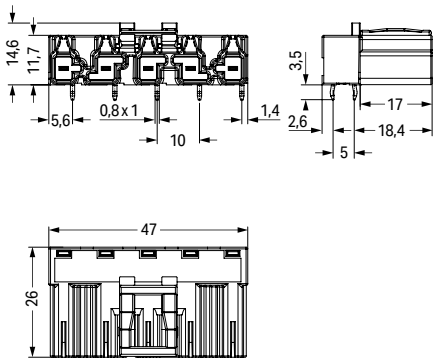
770-815/011-000

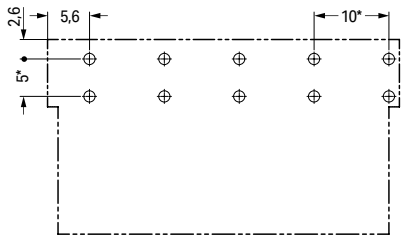
2

General mains applications				
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

Measurement and regulation technology				
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-855/011-000	50
gray	B	N ⏚ L1 L2 L3	770-855/011-000/060-000	50
gray	B	N ⏚ 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	N ⏚ L I- I+	770-895/011-000/080-000	50
pink	B	1 2 3 4 5	770-895/011-000	50
pink	B	N ⏚ L - +	770-895/011-000/082-000	50

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-3115/011-000	50





Drilled hole diameter: 1.5$^{+0.1}$ mm * ± 0.05 mm

Accessories; for all products on this page

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

Electrical Data				
Coding	A;B;I;L;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	-	-	
Approbations per	UL 1977			
Rated voltage	600 V			
Rated current	23 A			

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

Tool Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

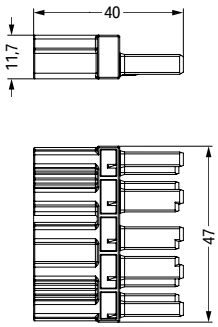
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

Intermediate coupler

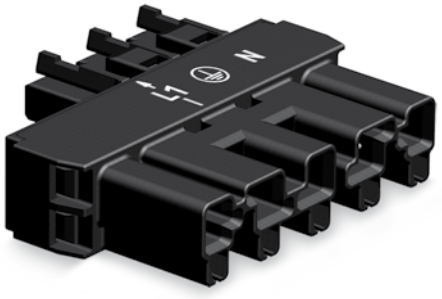
770-605

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	plain	770-605	100
white	A	plain	770-655	100

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	plain	770-619	100



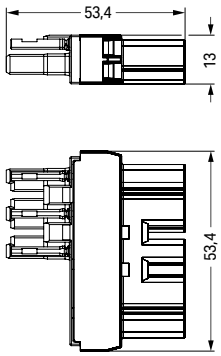
Intermediate coupler ▸ 5- to 3-pole; L1 - L



770-901

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L1 - L ⏚ N	770-901	50
white	A	L1 - L ⏚ N	770-951	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L1 - L ⏚ N	770-911	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

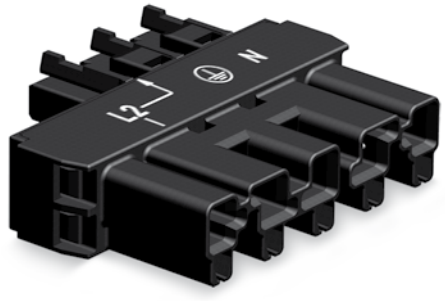
Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

2

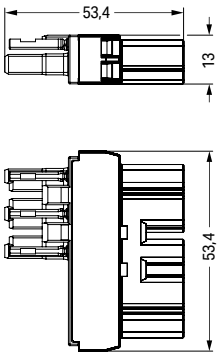
Intermediate coupler ▸ 5- to 3-pole; L2 - L



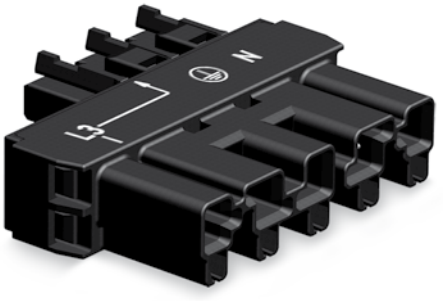
770-902

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L2 - L ⏚ N	770-902	50
white	A	L2 - L ⏚ N	770-952	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L2 - L ⏚ N	770-912	50



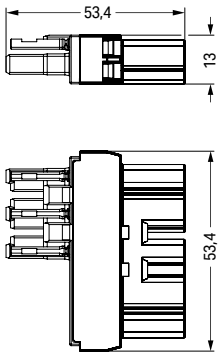
Intermediate coupler ▸ 5- to 3-pole; L3 - L



770-903

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L3 - L ⏚ N	770-903	50
white	A	L3 - L ⏚ N	770-953	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L3 - L ⏚ N	770-913	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

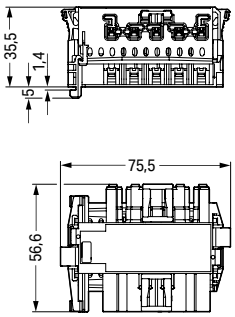
Linect® T-connector

770-6225

General mains applications				
Cover Color	Coding	Marking	Item No.	PU
white	A	N ⏚ L1 L2 L3	770-6225	20

DALI, Lighting Management				
Cover Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-7105	20

Emergency power supply				
Cover Color	Coding	Marking	Item No.	PU
dark gray	L	N ⏚ L N' L'	770-7505	20



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

T-distribution connector ▸ Number of locking levers: 2

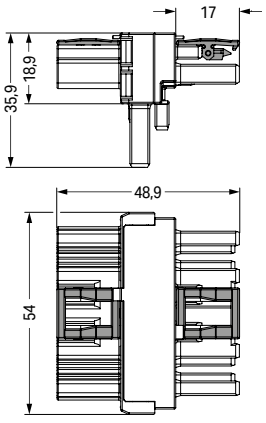
770-621

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-621	50
white	A	N ⏚ L1 L2 L3	770-671	50

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-617	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-921	50



T-distribution connector ▸ for flying leads ▸ Number of locking levers: 3

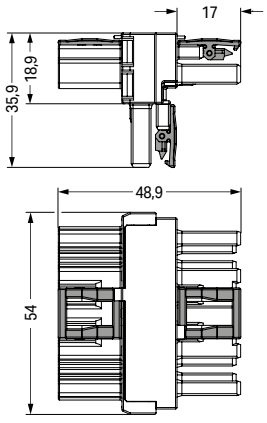
770-621

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-622	50
white	A	N ⏚ L1 L2 L3	770-672	50

Measurement and regulation technology				
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

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-620	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-922	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
yellow	770-360	100

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

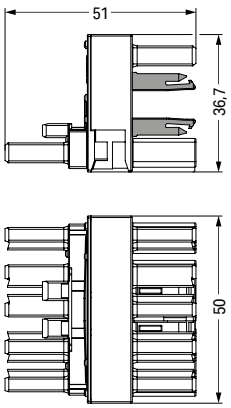
Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

h-distribution connector (bi-directional) ▸ Number of locking levers: 2

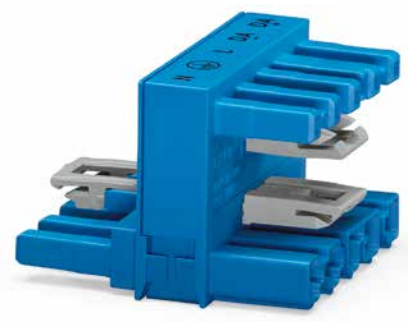
770-992

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-992	25



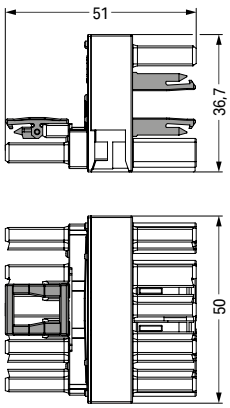
h-distribution connector (bi-directional) ▸ for flying leads ▸ Number of locking levers: 3



770-993

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-993	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

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
Pole No.: 5

2

Distribution connector, 3-way,

770-609

Distribution connector (5-way)

770-1947

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-609	25
white	A	N ⏚ L1 L2 L3	770-659	25

Measurement and regulation technology

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

DALI, Lighting Management

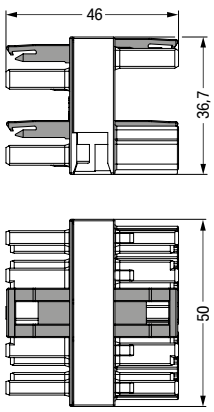
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-618	25

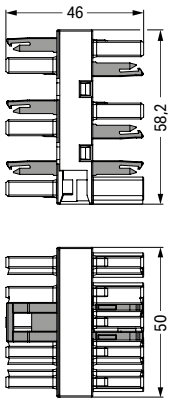
EDV (UPS)

Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-909	25

DALI, Lighting Management

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; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

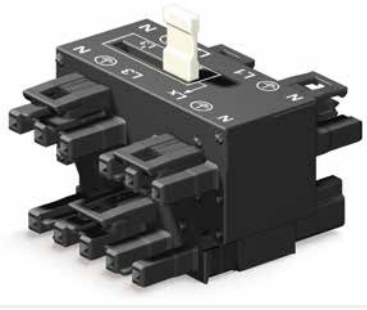
Color	Item No.	PU
black	770-625	25
white	770-675	25

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

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

Three-phase to single-phase distribution connector

770-640



Movable jumper

Jumper pushed down, flush with the housing (position L1)

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

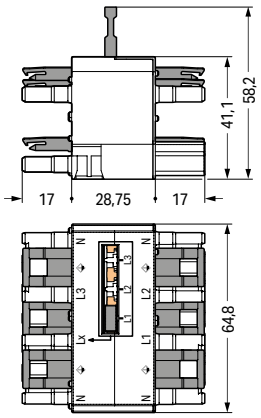
Notice: h-distribution connectors can only be plugged on L1 and L3.

General mains applications

Color	Coding	Marking	Item No.	PU
black	A		770-640	10
white	A		770-690	10

EDV (UPS)

Color	Coding	Marking	Item No.	PU
red	P		770-940	10



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5

Color	Item No.	PU
yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

Color	Item No.	PU
black	770-625	25
white	770-675	25

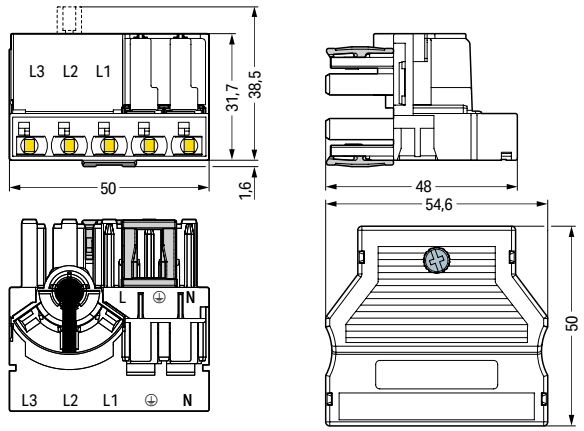
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole No.: 5

Distribution connector with phase selection

770-611

General mains applications				
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.

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12		
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Lockout cap; for plugs; separable; Pole No.: 5		
Color	Item No.	PU
● yellow	770-360	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole		
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
Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

Electrical Data									
Coding	**A;B;I;L;P**			**A;I;L;P**			**A**		
Wire cross-section	**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	-	-

Electrical Data									
Coding	**B**								
Wire cross-section	**1 mm²**								
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	10 A	-	-						

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
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 type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables with a different fire class can be found in the eShop.

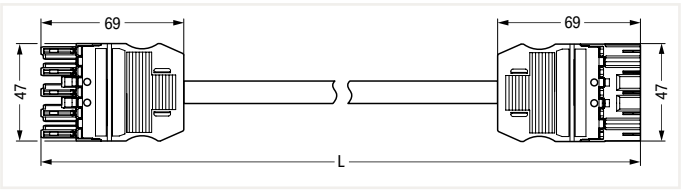
Cover	Page 380
Marking	Page 405

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

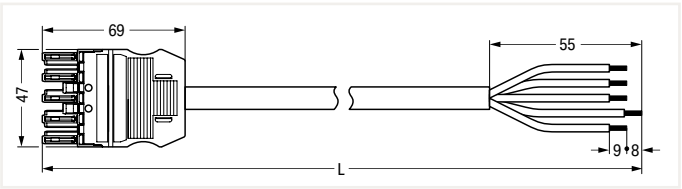
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ General mains applications



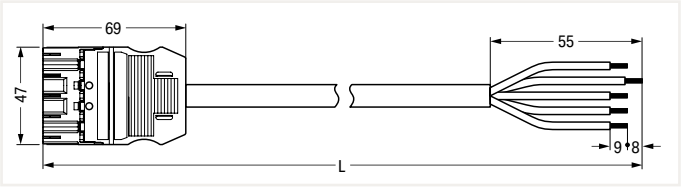
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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

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)

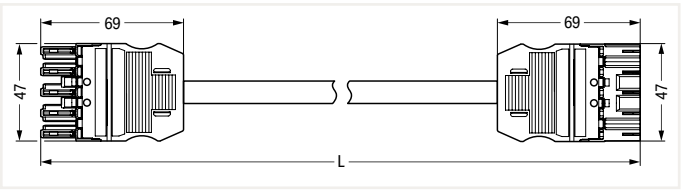
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

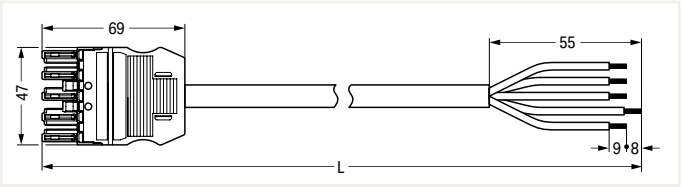
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ General mains applications



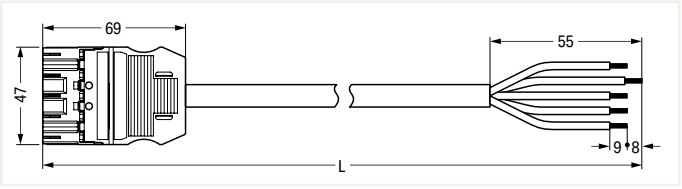
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

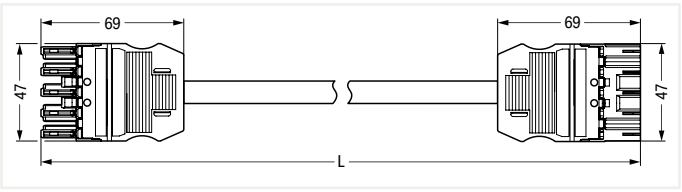
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

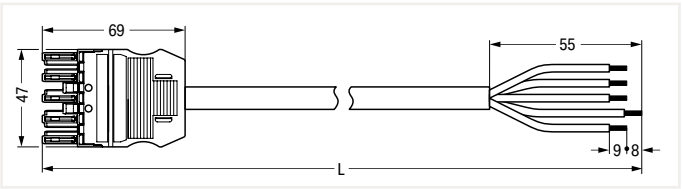
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ General mains applications



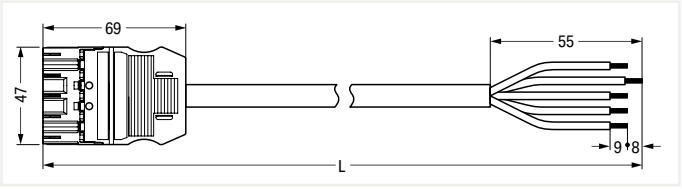
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

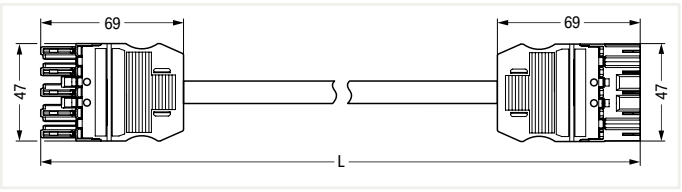
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

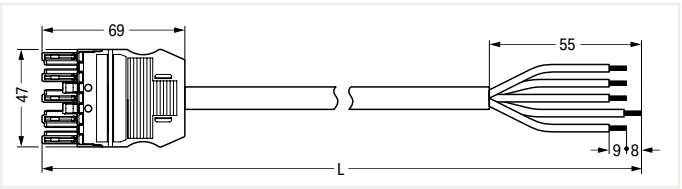
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5 ▸ General mains applications



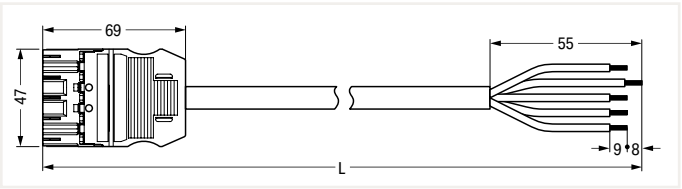
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

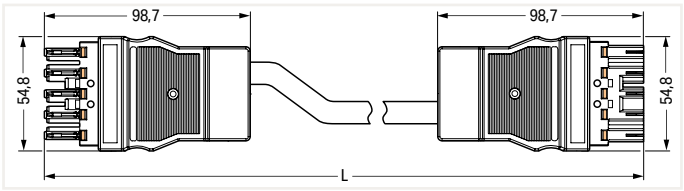
Mounting carrier; for flying leads; 2- to 5-pole

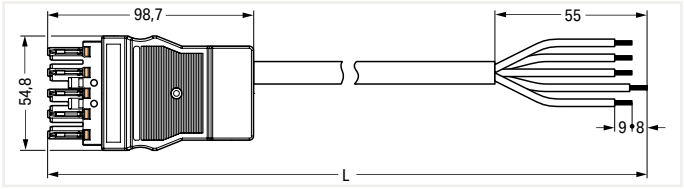
Color	Item No.	PU
● black	770-310	25

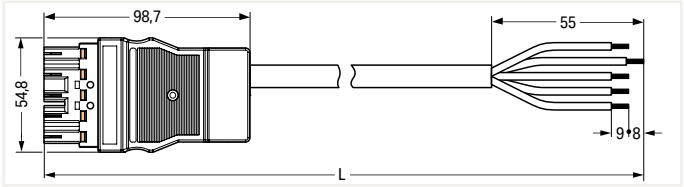
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 4 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 13 … 16.1 mm ▸ H05VV-F 5G4 ▸ General mains applications







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 (outer insulation): 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 (outer insulation): 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

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)

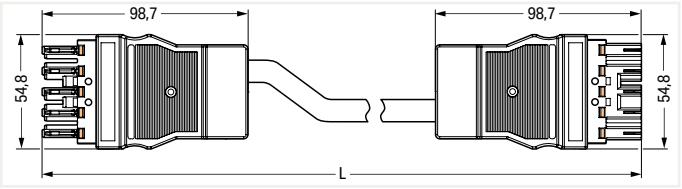
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

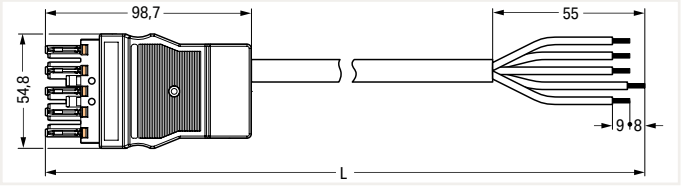
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 4 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Sheathed cable diameter: 13 … 16.1 mm ▸ H05Z1Z1-F 5G4 ▸ General mains applications



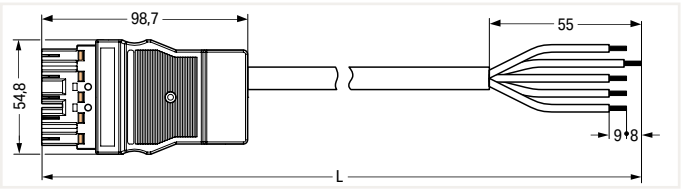
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

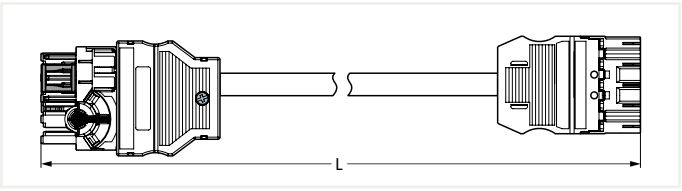
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

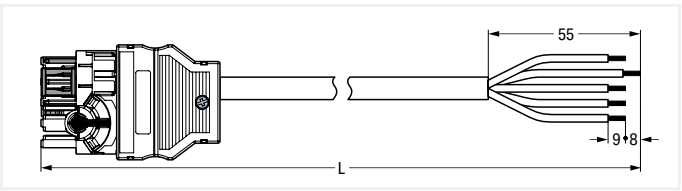
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ Strip length (outer insulation): 55 mm ▸ General mains applications



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

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

Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.

The 5-pole energy circuit can be extended using pluggable cable assemblies.

Push down jumper in its new position (picture shows L3).

Plugging a 3-pole tap-off cable.

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)

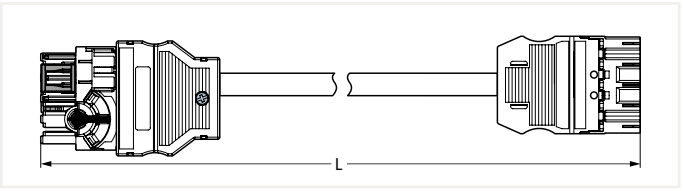
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

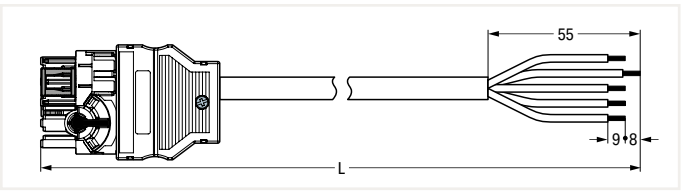
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5 ▸ Strip length (outer insulation): 55 mm ▸ General mains applications



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

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

Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.

The 5-pole energy circuit can be extended using pluggable cable assemblies.

Push down jumper in its new position (picture shows L3).

Plugging a 3-pole tap-off cable.

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)

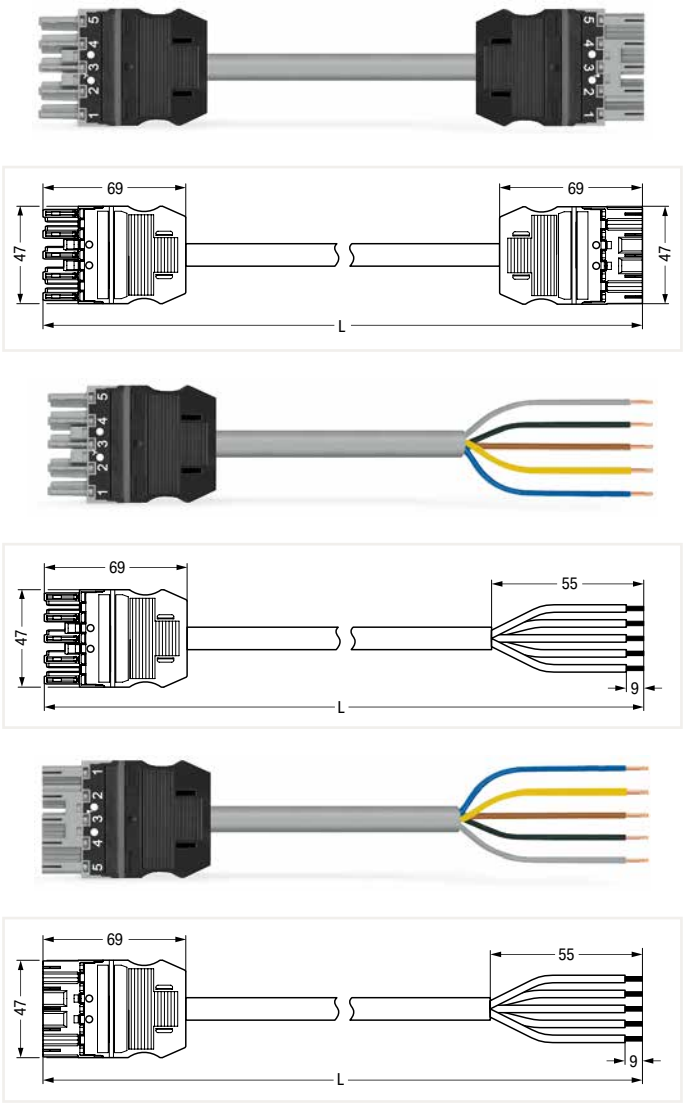
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ Sheathed cable diameter: 7.8 … 9.3 mm ▸ Control line 5 x 1 ▸ Measurement and regulation technology



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 ▸ Strip length (outer insulation): 55 mm

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 ▸ Strip length (outer insulation): 55 mm

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)

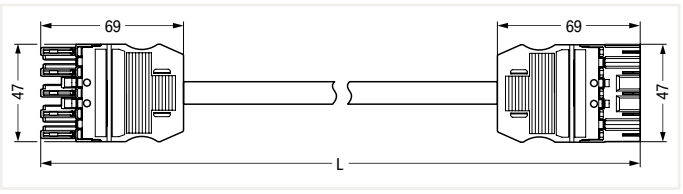
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

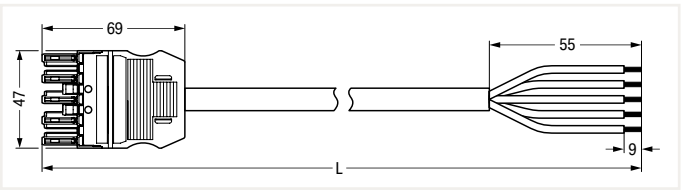
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ Control line 5 x 1.5 ▸ Measurement and regulation technology



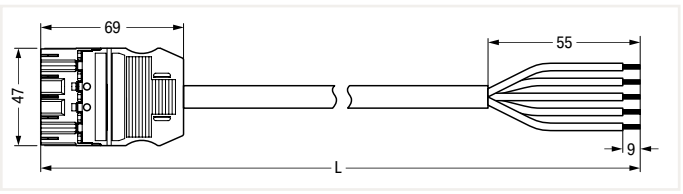
Interconnecting cable ▸ Socket - Plug

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 ▸ Strip length (outer insulation): 55 mm

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 ▸ Strip length (outer insulation): 55 mm

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)

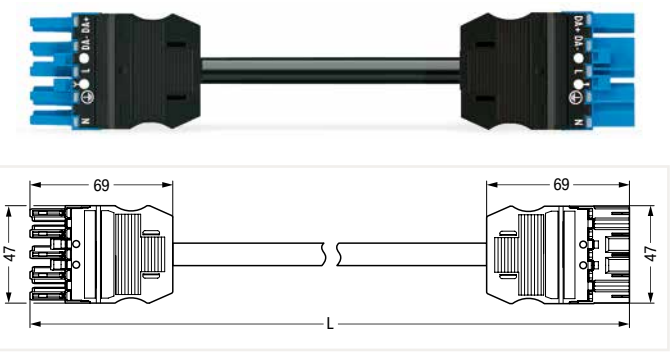
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
black	770-310	25

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

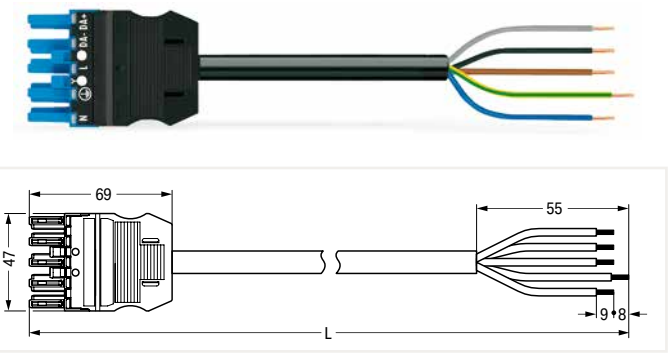
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ DALI, Lighting Management



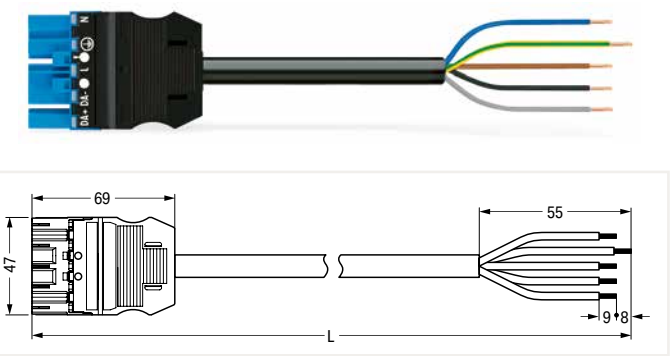
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

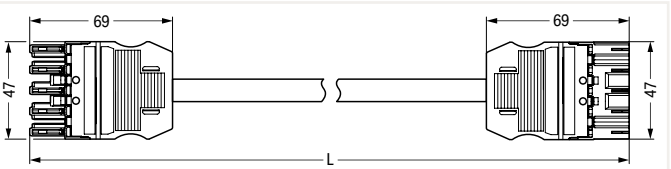
Mounting carrier; for flying leads; 2- to 5-pole

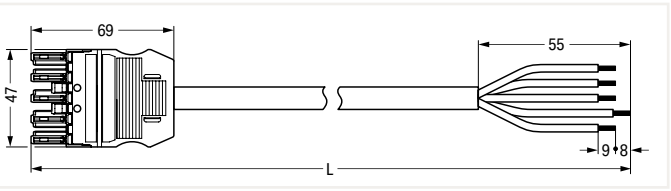
Color	Item No.	PU
● black	770-310	25

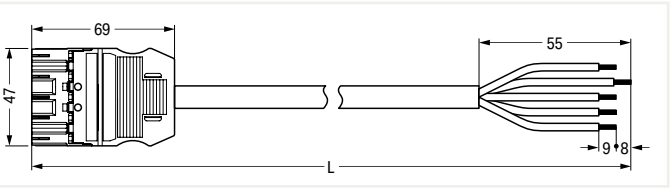
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ Halogen-free ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ DALI, Lighting Management







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 (outer insulation): 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 (outer insulation): 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)

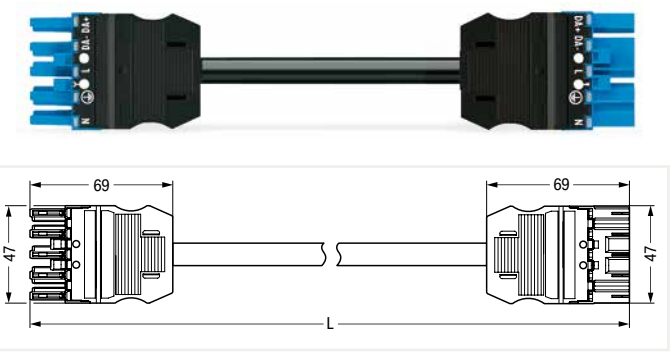
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

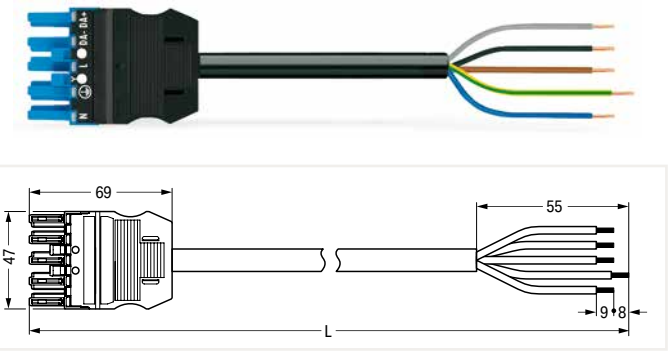
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 2.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ DALI, Lighting Management



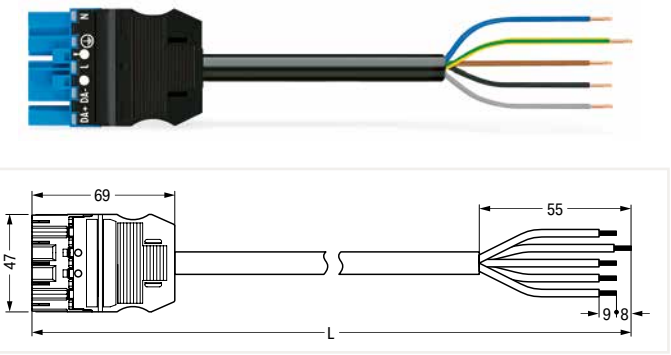
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

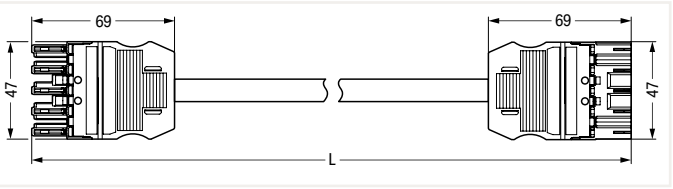
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

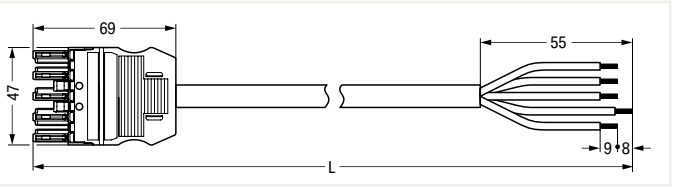
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 2.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ Halogen-free ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5 ▸ DALI, Lighting Management



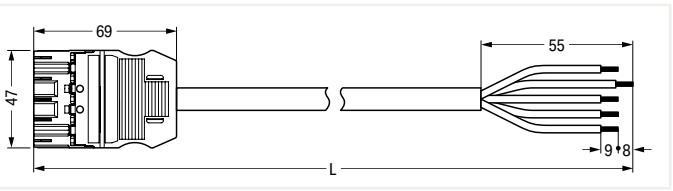
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

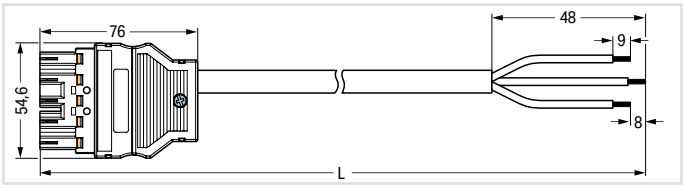
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

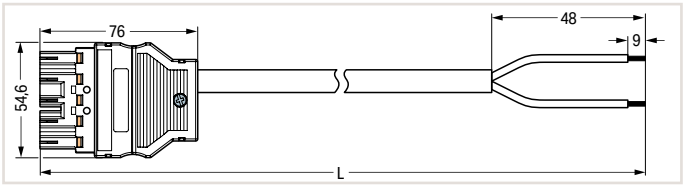
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ PVC ▸ DALI, Lighting Management



Adapter cable ▸ plug – free end ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5

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



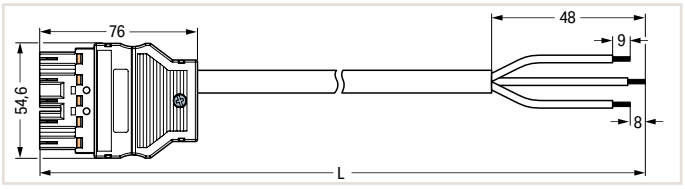
Adapter cable ▸ plug – free end ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 2x1.5

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

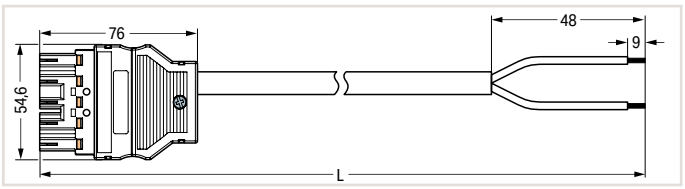
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

No. of poles: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Halogen-free ▸ DALI, Lighting Management



Adapter cable ▸ plug – free end ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3G1.5				
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

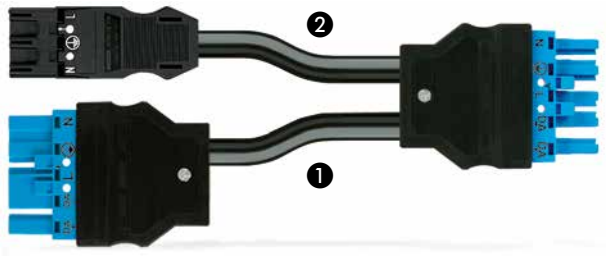


Adapter cable ▸ plug – free end ▸ Sheathed cable diameter: 6.8 … 8.6 mm ▸ H05Z1Z1-F 2x1.5				
Length	Connector color/Strain relief color			PU
	blue/black			
1 m	771-5001/172-000			1
2 m	771-5001/173-000			1
3 m	771-5001/174-000			1
4 m	771-5001/175-000			1
5 m	771-5001/176-000			1
6 m	771-5001/177-000			1
7 m	771-5001/178-000			1
8 m	771-5001/179-000			1

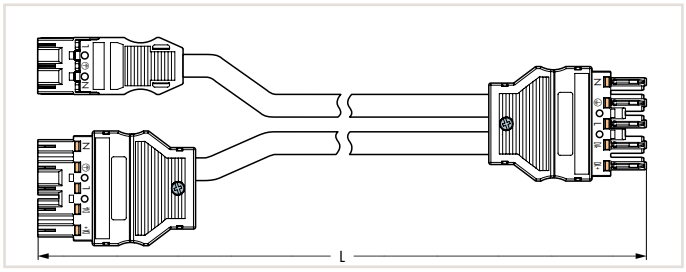
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

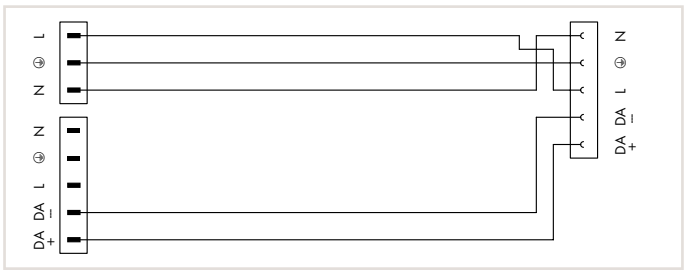
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

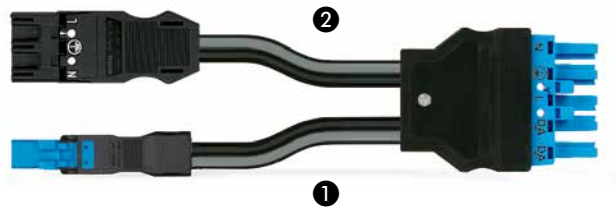
No. of poles: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A + I ▸ ❶ 1.5 mm²; ❷ 2.5 mm² ▸ PVC ▸ ❶ H05VV-F 2x1,5 ▸ ❷ H05VV-F 3G2,5 ▸ DALI, Lighting Management



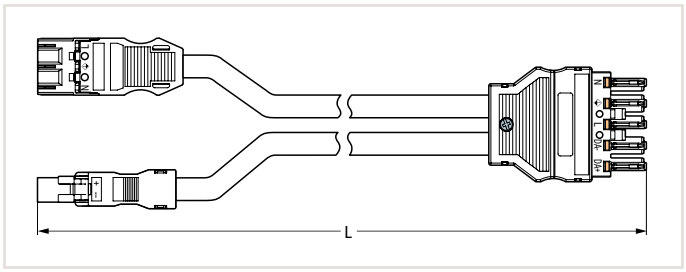
Y-cable				
Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/180-000			1

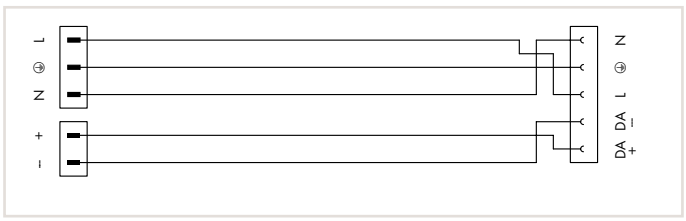






Y-cable				
Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/182-000			1

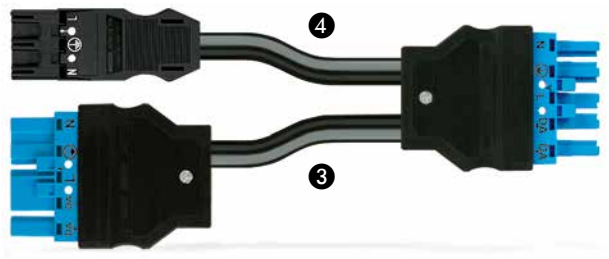


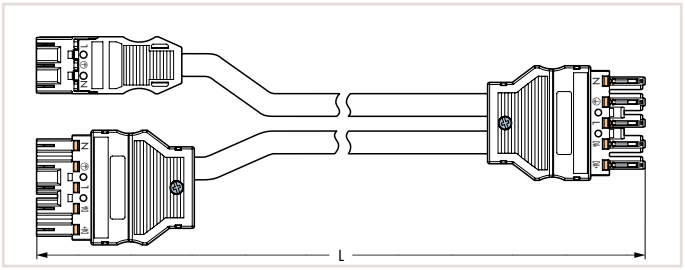


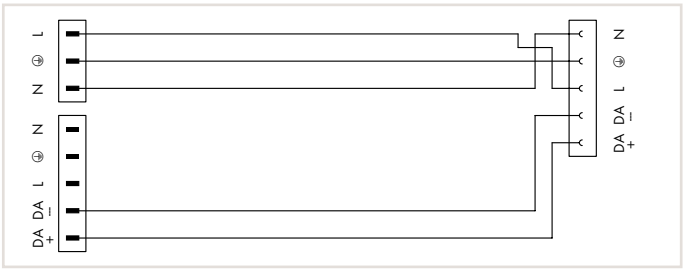
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

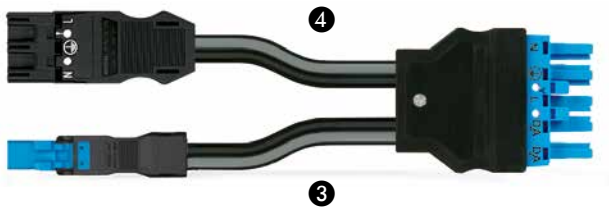
No. of poles: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A + I ▸ ❸ 1.5 mm²; ❹ 2.5 mm² ▸ Halogen-free ▸ ❸ H05Z1Z1-F 2x1,5 ▸ ❹ H05Z1Z1-F 3G2,5 ▸ DALI, Lighting Management

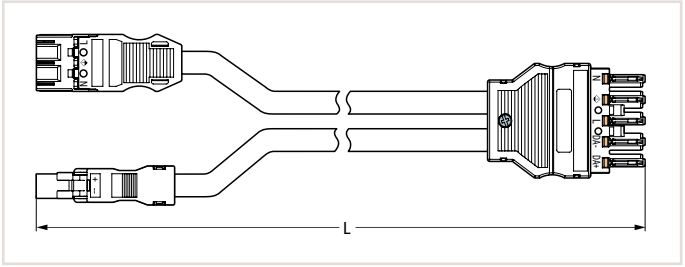


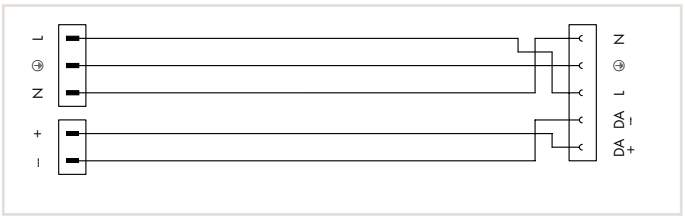




Y-cable				
Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/181-000			1





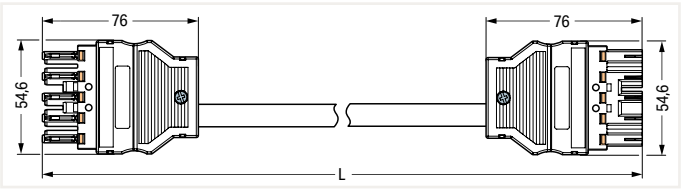


Y-cable				
Length	Connector color/Strain relief color			PU
	black/black blue/black			
0.5 m	771-5001/183-000			1

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 1.5 mm² ▸ Marking: N ⏚ L N' L' ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ Emergency power supply

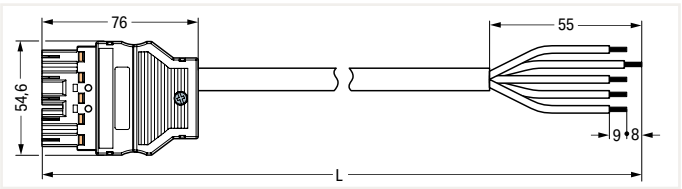


Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

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

Color	Item No.	PU
● black	770-310	25

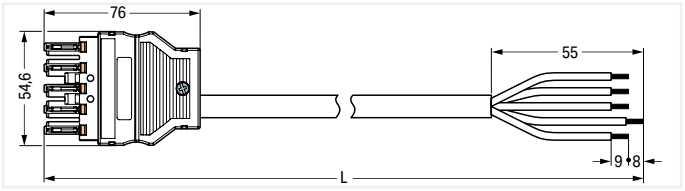
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 1.5 mm² ▸ Marking: N ⏚ L N' L' ▸ Halogen-free ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ Emergency power supply

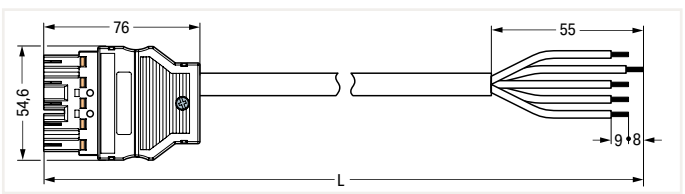
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

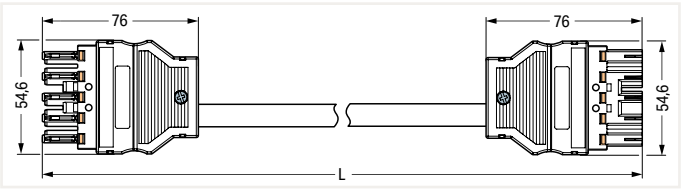
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
black	770-310	25

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

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 2.5 mm² ▸ Marking: N ⏚ L N' L' ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ Emergency power supply

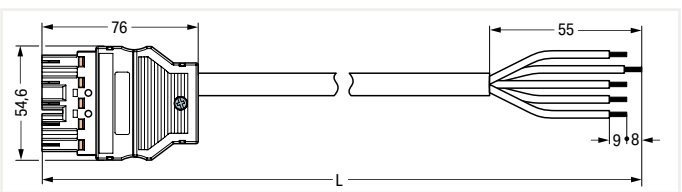


Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

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

Color	Item No.	PU
● black	770-310	25

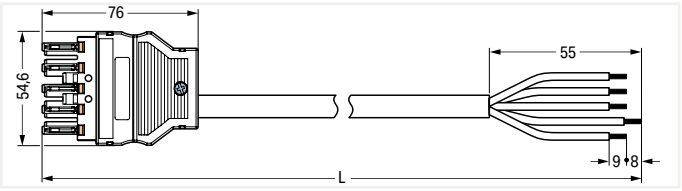
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 2.5 mm² ▸ Marking: N ⏚ L N' L' ▸ Halogen-free ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5 ▸ Emergency power supply

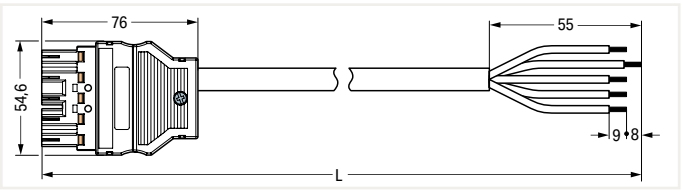
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

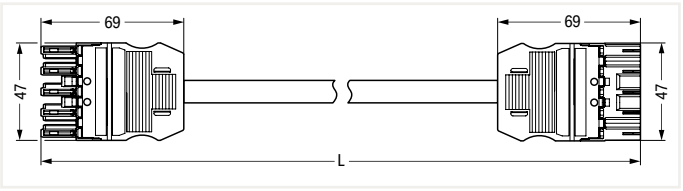
Mounting carrier; for flying leads; 2- to 5-pole

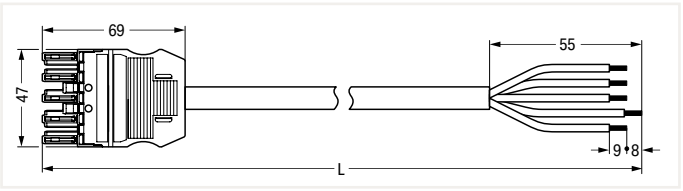
Color	Item No.	PU
black	770-310	25

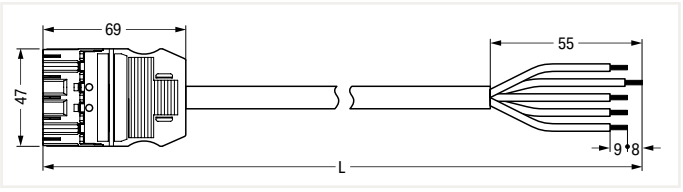
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ EDV (UPS)







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 (outer insulation): 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 (outer insulation): 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

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)

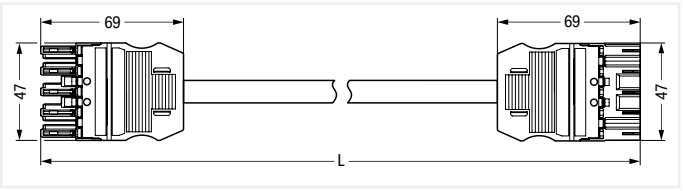
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

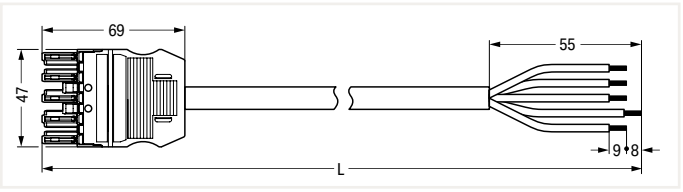
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ EDV (UPS)



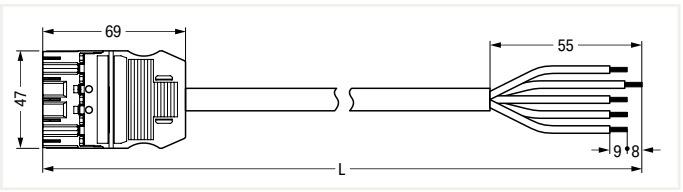
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

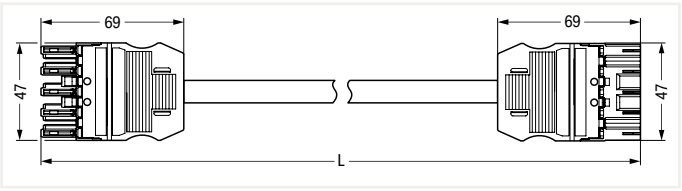
Mounting carrier; for flying leads; 2- to 5-pole

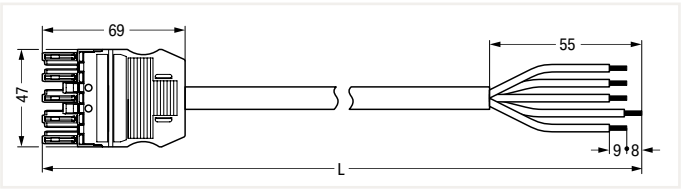
Color	Item No.	PU
● black	770-310	25

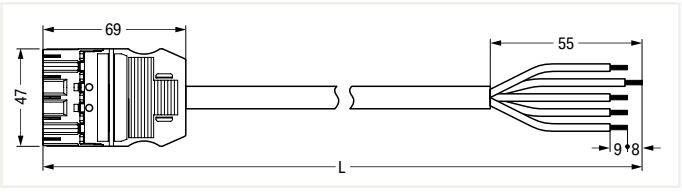
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ EDV (UPS)







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 (outer insulation): 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 (outer insulation): 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)

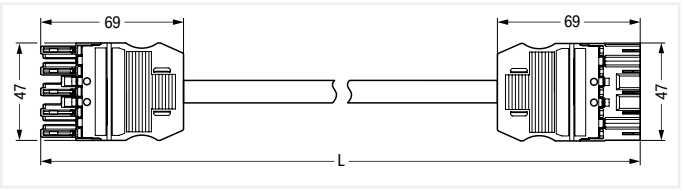
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

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

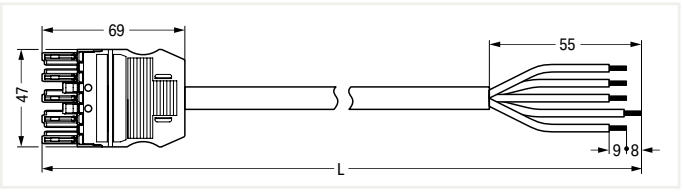
Cable Assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole No.: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5 ▸ EDV (UPS)



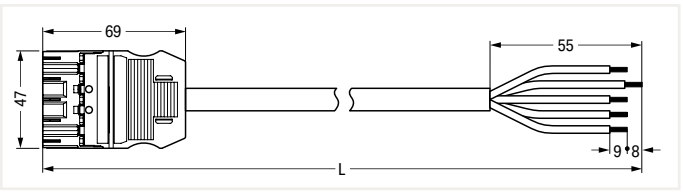
Interconnecting cable ▸ Socket - Plug

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 (outer insulation): 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 (outer insulation): 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)

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

Color	Item No.	PU
● black	770-310	25

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

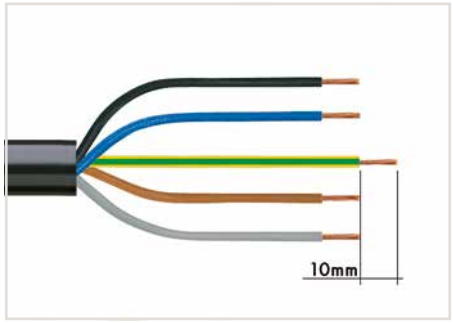
Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not 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.

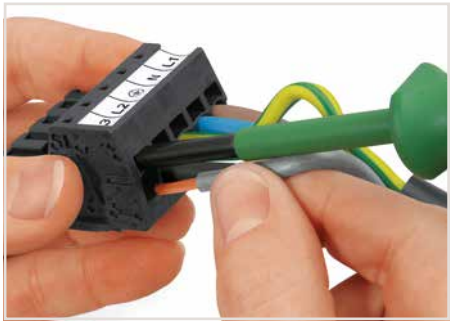
		Page
	Pluggable Connectors; 831 Series 5-pole	284

3

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

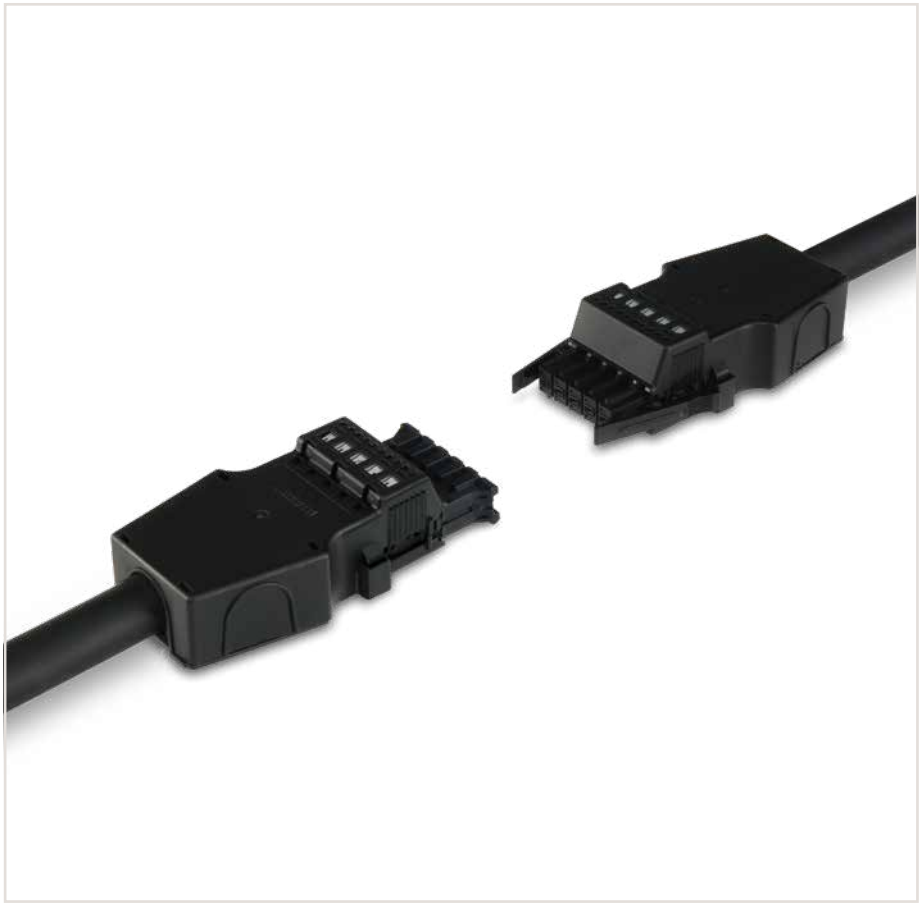


To terminate fine-stranded conductors, open the clamping unit via screwdriver (5.5 mm blade width) and insert a stripped conductor until it hits backstop.

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
Pole No.: 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.

3

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	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	100, without resistive load
Mating force of a plug-in connection	approx. 30 … 70 N (depending on number of poles)
Unmating force of a plug-in connection	Unlocked: approx. 30 … 70 N (depending on number of poles)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Tool Page 400

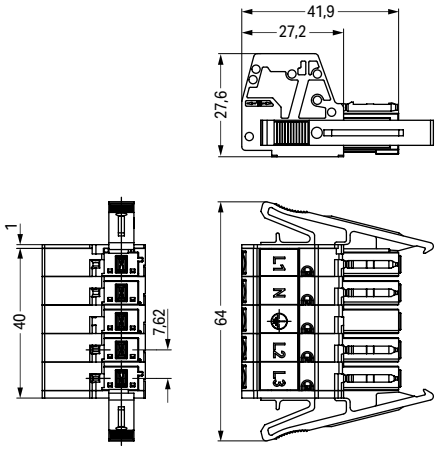
See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® MAXI ▸ 831 Series
Pole No.: 5

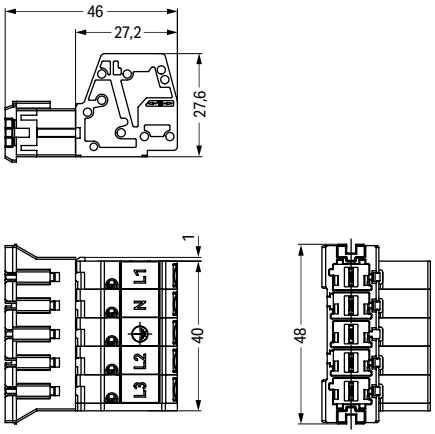
Female connector/socket

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



3

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.

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	Cable Assemblies; 774 Series	
	3-pole	288
	4-pole	298
	Plug Adapters for Attema's Hollow-Wall Boxes; 774 Series	
	3-pole	296

Cable Assembly ▶ *WINSTA*® RD ▶ 774 Series
Pole No.: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: E_{ca}

- For round conduits and ducts
- 3- and 4-pole pre-assembled cables with 17.5 mm (0.0689 inch) outer diameter for easy plug & play
- Plug-in integration into the electrical installations of hollow-wall boxes via adapter, for example

Electrical Data						
Coding	**A;S**			**A**		
Wire cross-section	**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	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while incorrectly rotated
c.) plugging while laterally staggered

Cables with a different fire class can be found in the eShop.

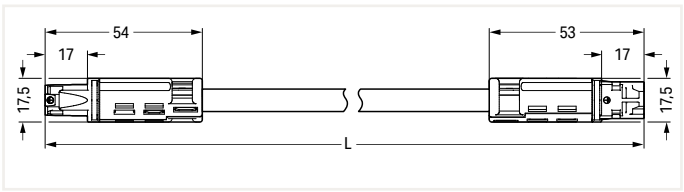
Coding Page 379

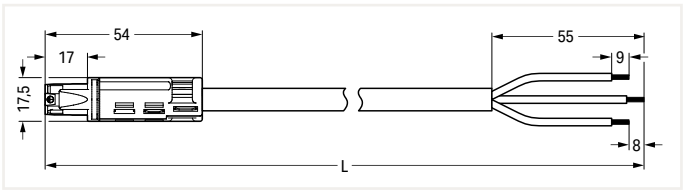
See technical section for further information

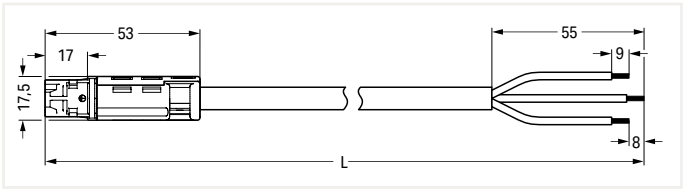
For approvals and corresponding ratings, visit www.wago.com

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed 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

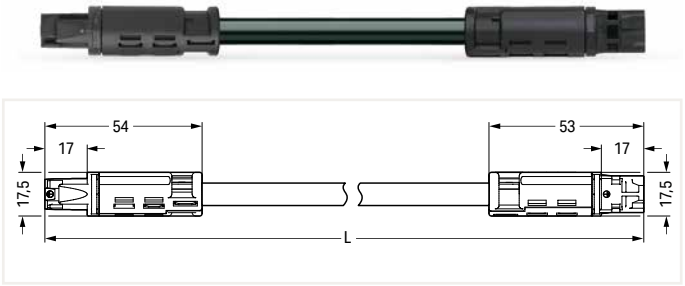
Connecting cable ▸ Plug - Free end

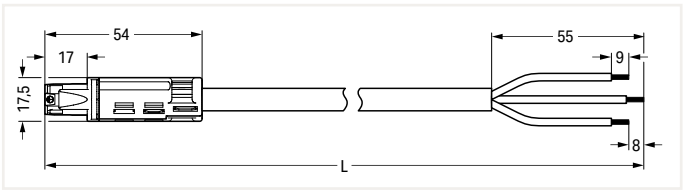
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/206-101	774-9993/206-102		1
2 m	774-9993/206-201	774-9993/206-202		1
3 m	774-9993/206-301	774-9993/206-302		1
4 m	774-9993/206-401	774-9993/206-402		1
5 m	774-9993/206-501	774-9993/206-502		1
6 m	774-9993/206-601	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

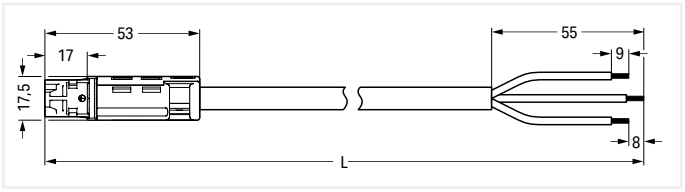
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed 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

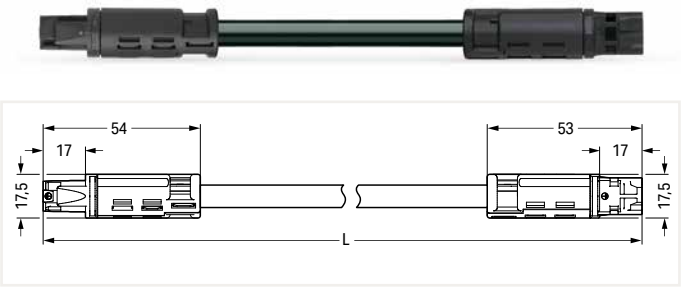
Connecting cable ▸ Plug - Free end

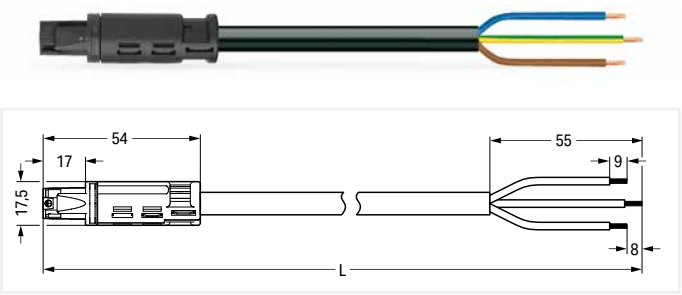
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9993/216-101	774-9993/216-102		1
2 m	774-9993/216-201	774-9993/216-202		1
3 m	774-9993/216-301	774-9993/216-302		1
4 m	774-9993/216-401	774-9993/216-402		1
5 m	774-9993/216-501	774-9993/216-502		1
6 m	774-9993/216-601	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

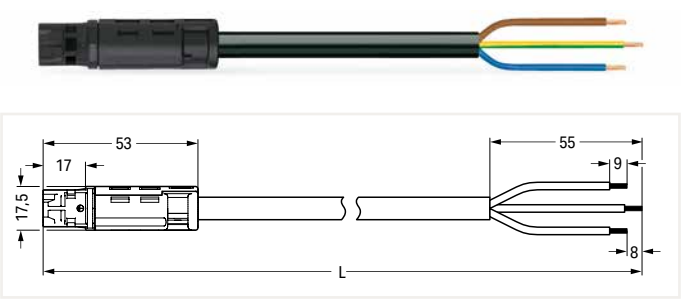
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

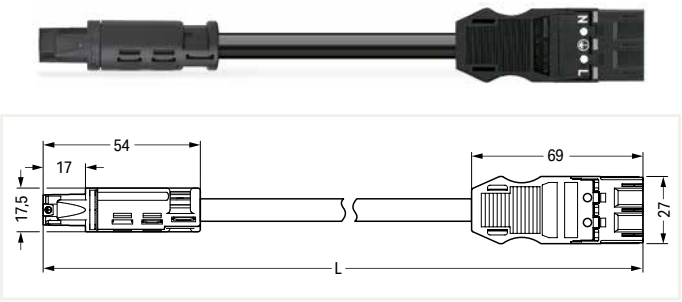
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ Sheathed 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 ▸ RD socket - MIDI plug

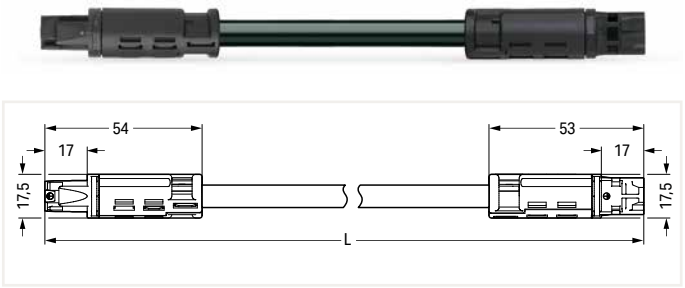
Total length	Connector color/Strain relief color			PU
	black/black			
1 m	774-9993/1507-101			1
2 m	774-9993/1507-201			1
3 m	774-9993/1507-301			1
4 m	774-9993/1507-401			1
5 m	774-9993/1507-501			1
6 m	774-9993/1507-601			1
7 m	774-9993/1507-701			1
8 m	774-9993/1507-801			1

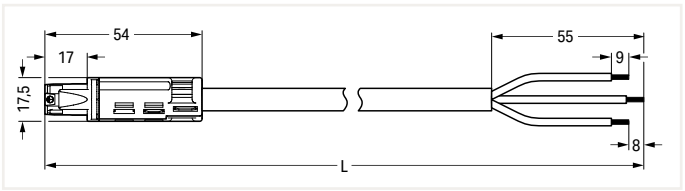
4

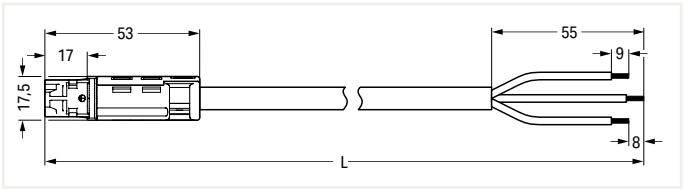
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

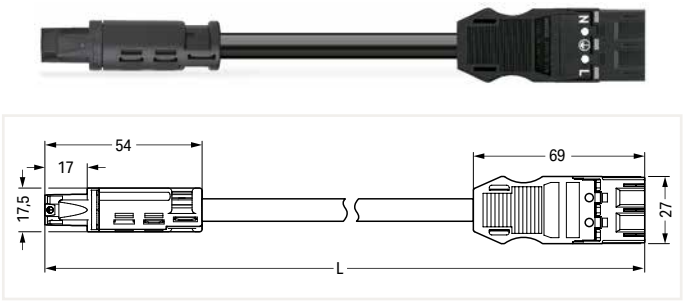
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed 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

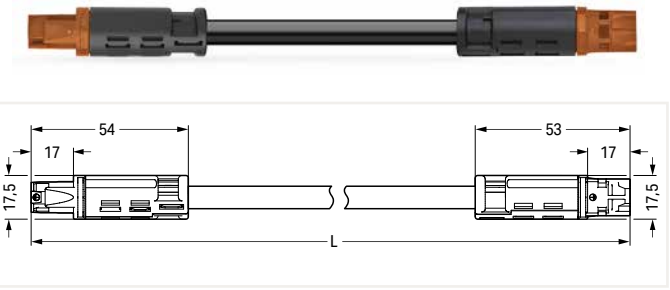
Adapter cable ▸ RD socket - MIDI plug

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

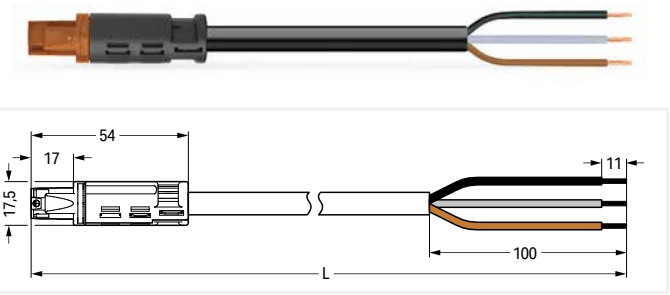
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3x1.5



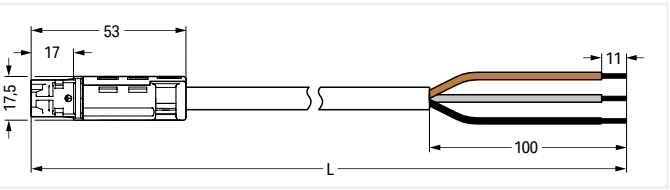
Interconnecting cable ▸ Socket - Plug

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



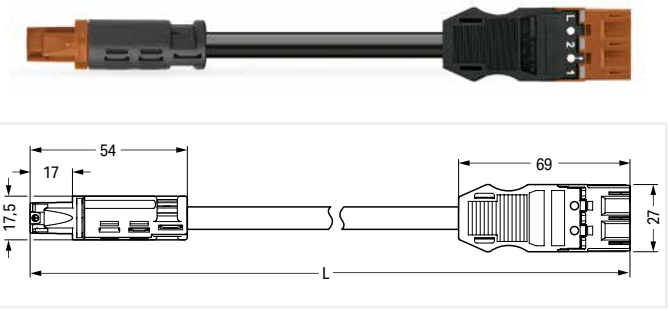
Connecting cable ▸ Socket - Free end

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 ▸ RD socket - MIDI plug

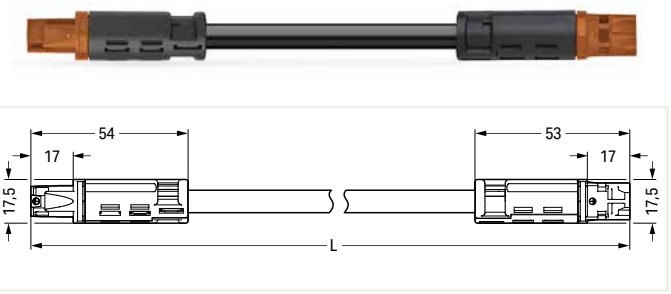
Total length	Connector color/Strain relief color			PU
	brown/black			
1 m	774-9973/1506-105			1
2 m	774-9973/1506-205			1
3 m	774-9973/1506-305			1
4 m	774-9973/1506-405			1
5 m	774-9973/1506-505			1
6 m	774-9973/1506-605			1
7 m	774-9973/1506-705			1
8 m	774-9973/1506-805			1

4

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

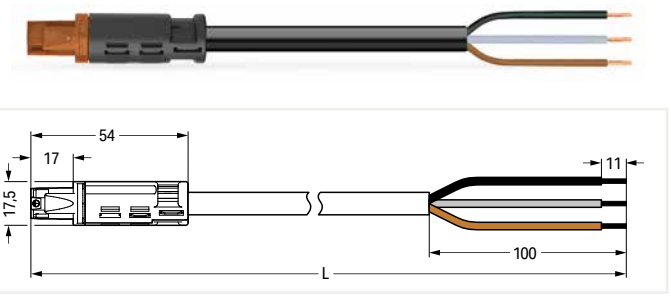
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ Halogen-free ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05Z1Z1-F 3x1.5



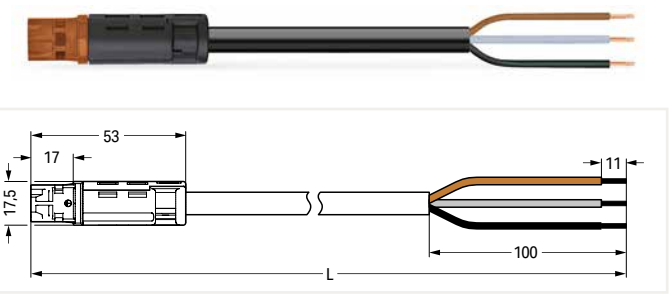
Interconnecting cable ▸ Socket - Plug

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



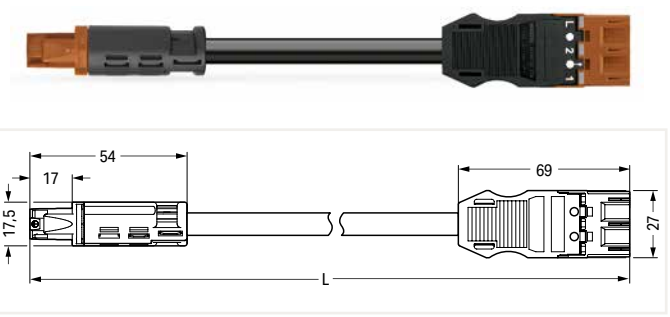
Connecting cable ▸ Socket - Free end

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 ▸ RD socket - MIDI plug

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

Pluggable Connector ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Plug adapter - Free end ▸ 2.5 mm² ▸ for Attema's hollow-wall boxes ▸ Fire class per EN 50575: E_{ca}

- For round conduits and ducts
- 3- and 4-pole pre-assembled cables with 17.5 mm (0.0689 inch) outer diameter for easy plug & play
- Plug-in integration into the electrical installations 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	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while incorrectly rotated
c.) plugging while laterally staggered

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.

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Pluggable Connector ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 3 ▸ Plug adapter - Free end ▸ 2.5 mm² ▸ for Attema's hollow-wall boxes ▸ Fire class per EN 50575: E_{ca}

774-213/9900-000

General mains applications			
Color	Coding	Item No.	PU
black	A	774-213/9900-000	10

774-1373/9900-000

Switching function			
Color	Coding	Item No.	PU
black	S	774-1373/9900-000	10

4

PU = Packaging Unit; SPU = Subpackaging Unit

Cable Assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole No.: 4 ▶ Protection type: IP20 ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2 1 ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ Fire class per EN 50575: E_{ca}

- For round conduits and ducts
- 3- and 4-pole pre-assembled cables with 17.5 mm (0.0689 inch) outer diameter for easy plug & play
- Plug-in integration into the electrical installations of hollow-wall boxes via adapter, for example

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	-	-	

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while incorrectly rotated
c.) plugging while laterally staggered

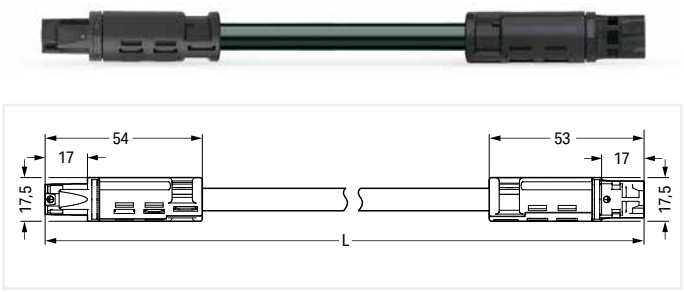
Cables with a different fire class can be found in the eShop.

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

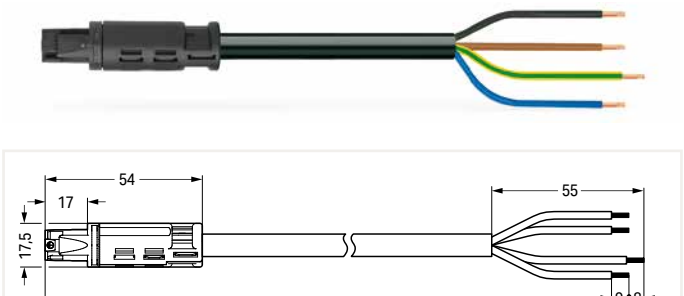
Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 4 ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2 1 ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ Fire class per EN 50575: E_{ca} ▸ PVC ▸ H05VV-F 4G1.5



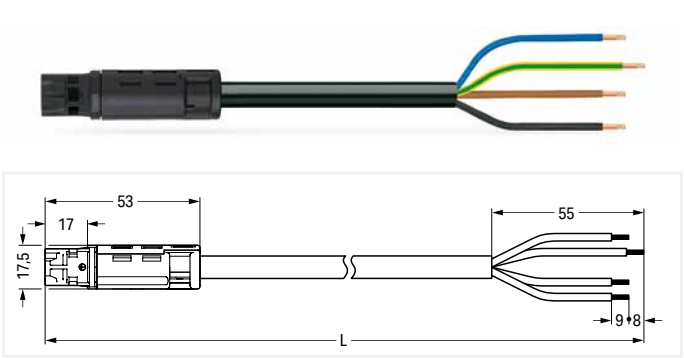
Interconnecting cable ▸ Socket - Plug

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

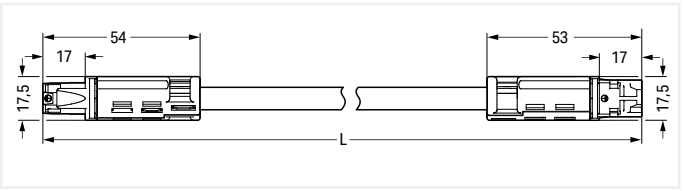
Total length	Connector color/Strain relief color			PU
	black/black	white/white		
1 m	774-9994/206-101	774-9994/206-102		1
2 m	774-9994/206-201	774-9994/206-202		1
3 m	774-9994/206-301	774-9994/206-302		1
4 m	774-9994/206-401	774-9994/206-402		1
5 m	774-9994/206-501	774-9994/206-502		1
6 m	774-9994/206-601	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

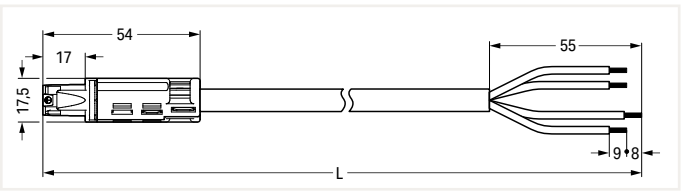
4

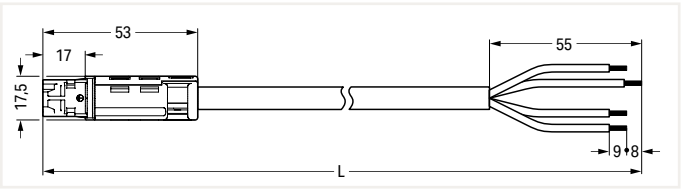
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole No.: 4 ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2 1 ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ Fire class per EN 50575: E_{ca} ▸ 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

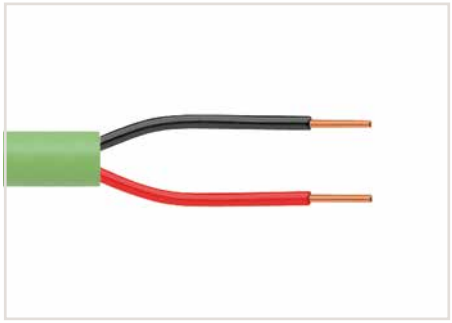
Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® KNX Connectors are not intended for installation in open or easily accessible areas.

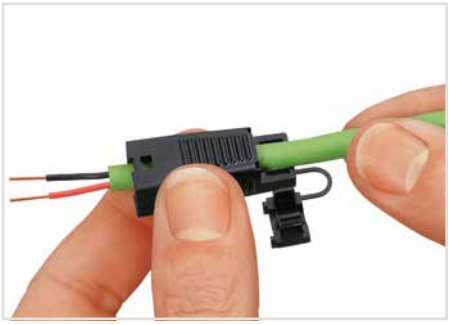
		Page
	Pluggable Connectors; 893 Series 2-pole	306
	Snap-In Device Connectors; 893 Series 2-pole	308
	Distribution Connectors; 893 Series 2-pole	310
	Cable Assemblies; 894 Series Ø 2 x 0.8 mm	312

5

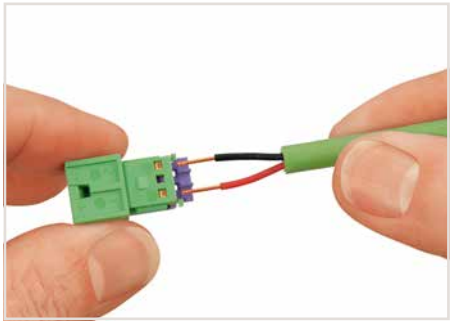
WINSTA® KNX ▸ 893, 894 Series
Description and Installation



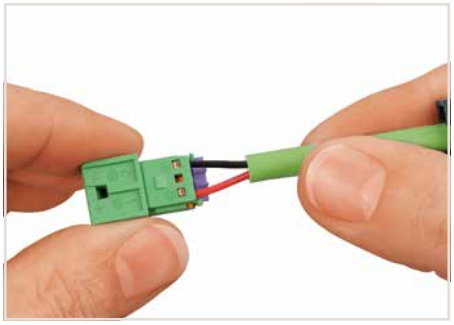
1. Strip length, outer insulation = 23 mm
2. Strip length = 9 mm



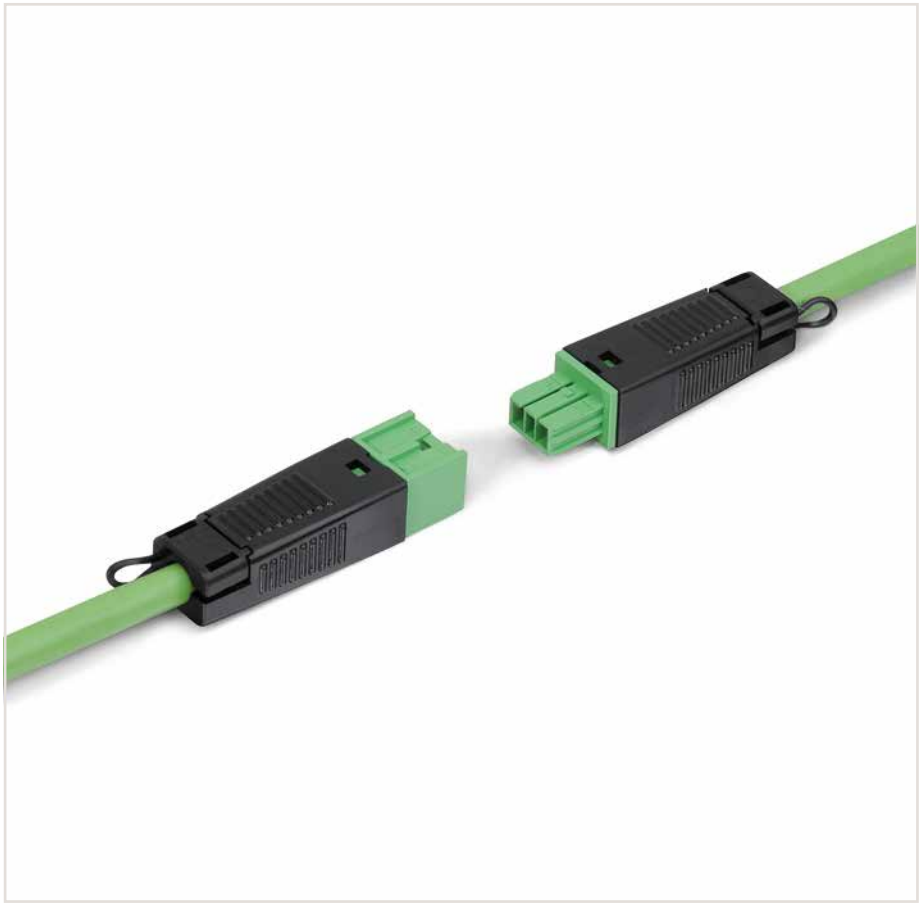
Prior to termination, pull the strain relief housing over the cable.

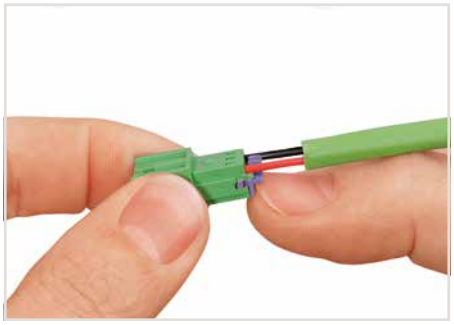


Insert stripped conductors directly into the conductor entries.

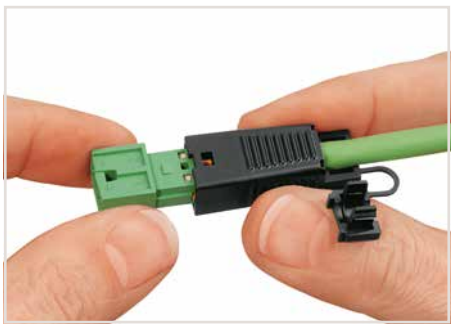


Push conductors until they hit backstop.

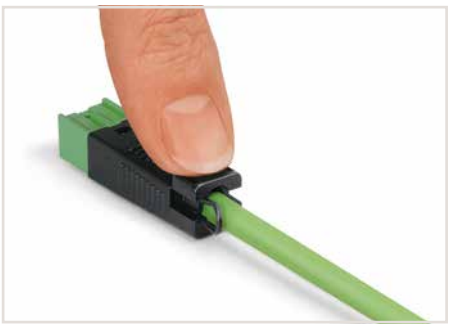




To disconnect, open clamping unit using the actuator and pull out the conductor.



Snap wired connector into the strain relief housing.



Press strain relief firmly on the cable.

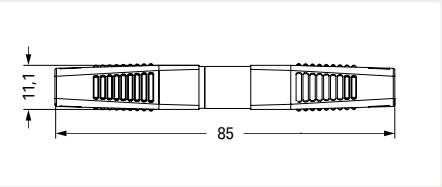
Pre-assembled KNX connector

5

Pluggable Connector ▸ *WINSTA*® KNX ▸ 893 Series
Pole No.: 2

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

Dimensions in mm



Electrical Data				
Coding	E;F			
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 mm

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200
Mating force of a plug-in connection	Approx. 10 … 15 N
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	Only when mated and secured with a 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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

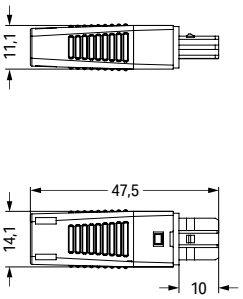
Pluggable Connector ▸ *WINSTA*® KNX ▸ 893 Series
Pole No.: 2

Female connector/socket

893-1002

Coding:E				
Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1002	50

Coding:F				
Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-1022	50

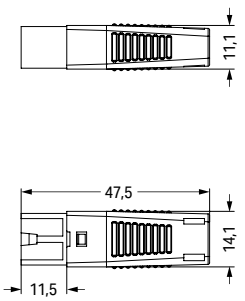


Male connector/plug

893-1012

Coding:E				
Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1012	50

Coding:F				
Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-1032	50



5

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

Snap-in Device Connector ▸ *WINSTA*® KNX ▸ 893 Series
Pole No.: 2

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

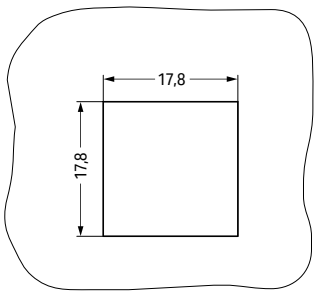


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Electrical Data			
Coding	E;F		
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 mm

Material Data	
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200
Mating force of a plug-in connection	Approx. 10 … 15 N
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	Only when mated and secured with a 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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

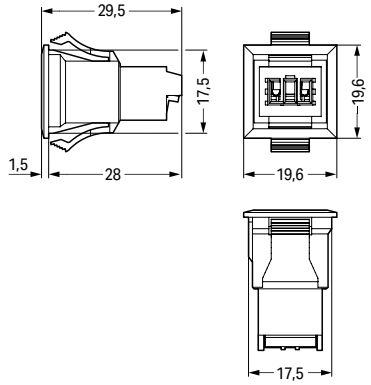
Snap-in Device Connector ▸ *WINSTA*® KNX ▸ 893 Series
Pole No.: 2

Female connector/socket

893-2002

Coding:E				
Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-2002	50

Coding:F				
Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-2022	50

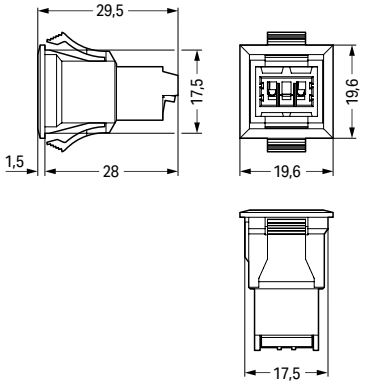


Male connector/plug

893-2012

Coding:E				
Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-2012	50

Coding:F				
Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-2032	50

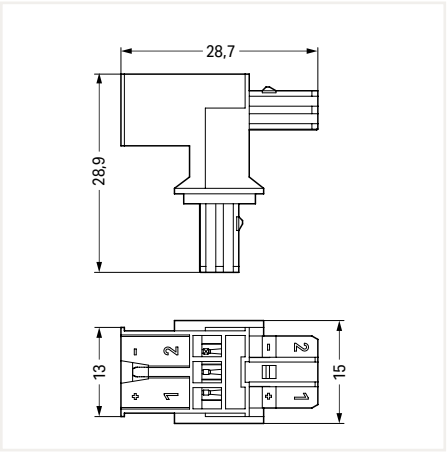


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Distribution Connector ▸ *WINSTA*® KNX ▸ 893 Series

Pole No.: 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 protection against mismating



Electrical Data			
Coding	E;F		
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	
Insulation material	Polyamide (PA66)
Contact material	Copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200
Mating force of a plug-in connection	Approx. 10 … 15 N
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	Only when mated and secured with a 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 operating temperature	Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Distribution Connector ▸ *WINSTA*® KNX ▸ 893 Series

Pole No.: 2 ▸ T-distribution connector ▸ Number of locking levers: 2

893-1606

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1606	25

893-1656

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-1656	25

5

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

Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series
Pole No.: 2 ▸ Marking: 1+ 2-

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

Electrical Data				
Coding	E;F			
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	
Insulation material	Polyamide (PA66)
Contact material	Copper alloy (surface-treated)

Mechanical Data	
Number of mating cycles	200
Mating force of a plug-in connection	Approx. 10 … 15 N
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	Only when mated and secured with a 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 operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

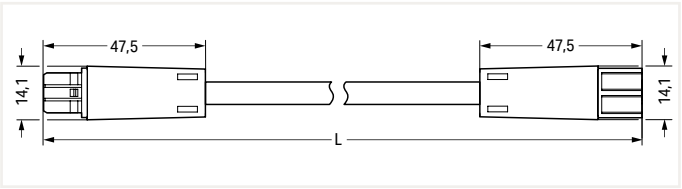
Cables with a different fire class can be found in the eShop.

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

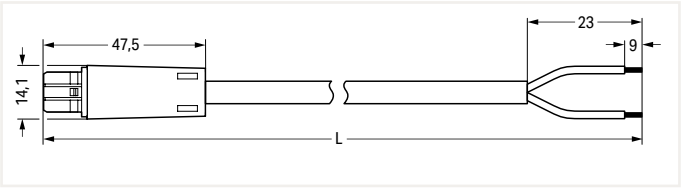
Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series

Pole No.: 2 ▸ Marking: 1+ 2- ▸ Coding: E ▸ PVC ▸ UNITRONIC BUS EIB 2x2x0.8 ▸ Fire class per EN 50575: E_{ca}



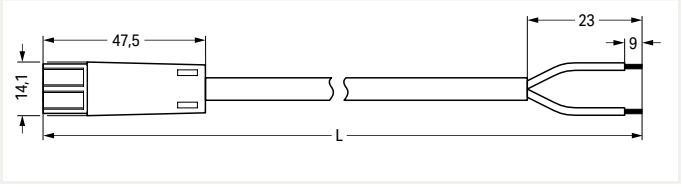
Interconnecting cable ▸ Connection type Socket - Plug

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

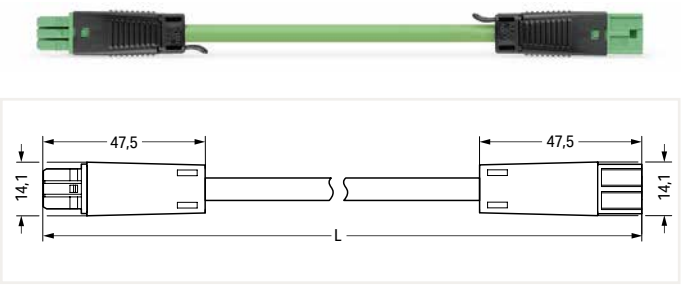
Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8992/233-106			1
3 m	894-8992/233-306			1
5 m	894-8992/233-506			1

5

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

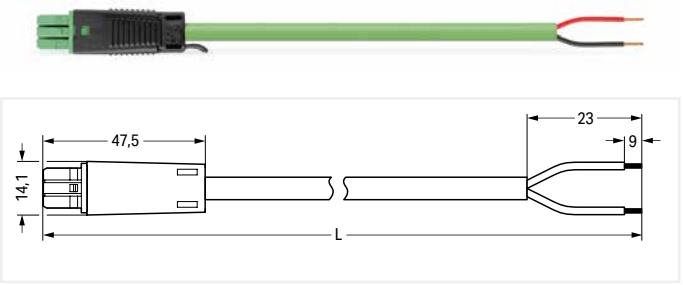
Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series

Pole No.: 2 ▸ Marking: 1+ 2- ▸ Coding: E ▸ Halogen-free ▸ Y-H(St)Hh 1x2x0.8 ▸ Fire class per EN 50575: C_{ca}



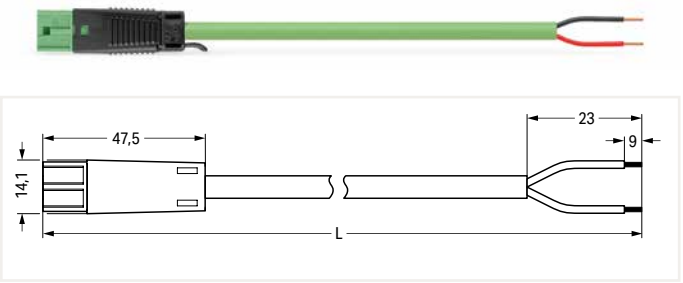
Interconnecting cable ▸ Connection type Socket - Plug

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8392/073-106			1
3 m	894-8392/073-306			1
5 m	894-8392/073-506			1



Connecting cable ▸ Connection type Socket - Free end

Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8392/173-106			1
3 m	894-8392/173-306			1
5 m	894-8392/173-506			1



Connecting cable ▸ Connection type Plug - Free end

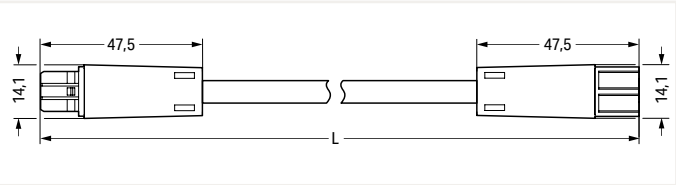
Total length	Connector color/Strain relief color			PU
	green/black			
1 m	894-8392/273-106			1
3 m	894-8392/273-306			1
5 m	894-8392/273-506			1

5

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

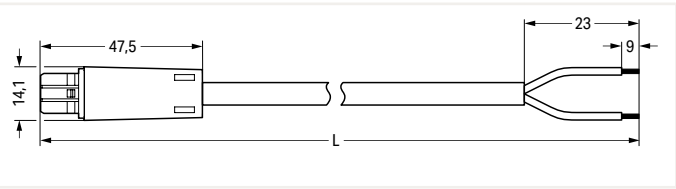
Cable Assembly ▸ *WINSTA*® KNX ▸ 894 Series

Pole No.: 2 ▸ Marking: 1+ 2- ▸ Coding: F ▸ Halogen-free ▸ J-Y(ST)Y...LG 1x2x0.8 ▸ Fire class per EN 50575: D_{ca}



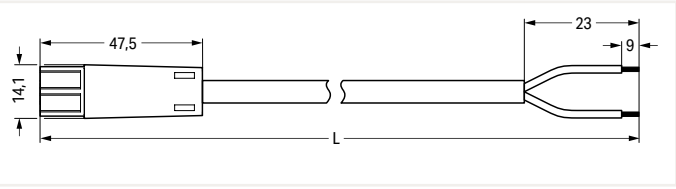
Interconnecting cable ▸ Connection type Socket - Plug

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

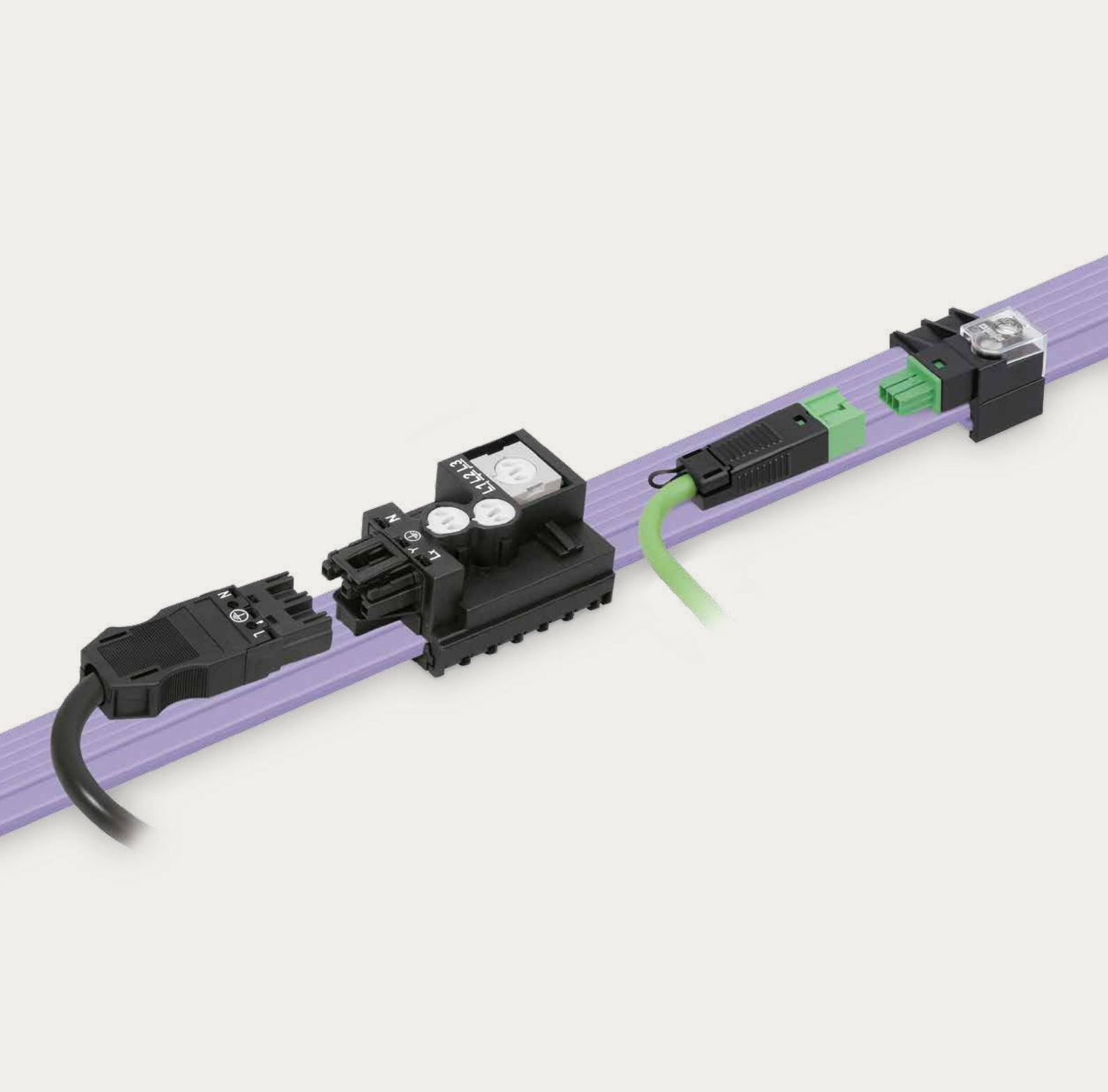
Total length	Connector color/Strain relief color			PU
	light gray/black			
1 m	894-8992/123-107			1
3 m	894-8992/123-307			1
5 m	894-8992/123-507			1



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	 321 321
	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)	 325 326
	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)	 329 330
	IDC Modules for Flat Cables **3 x 2.5 mm²; 896 Series** Supply Modules Tap-Off Modules	 333 334
	POWERBLOCK 10 for Flat Cable **5 x 10 mm²; 895 Series** Supply Modules Tap-Off Modules	 337 338
	POWERBLOCK 16 for Flat Cable **5 x 16 mm²; 895 Series** Supply Modules Tap-Off Modules	 341 342

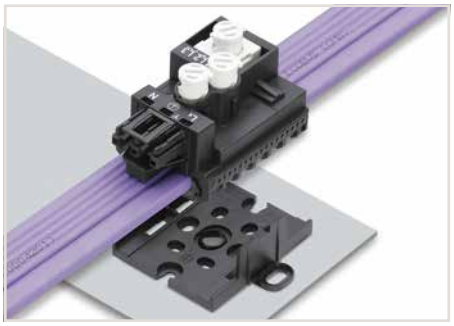
WINSTA® IDC ▸ 772 Series
Installation

Insert flat cable into base (observe coding!).

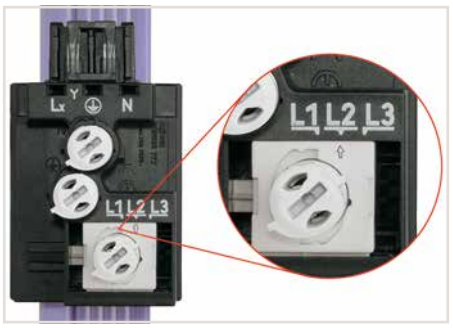
Mount IDC module flush with the base.
Should the IDC module jam during mounting, turn the upper part by 180° and remount it.

Screw down contact elements until element stops.

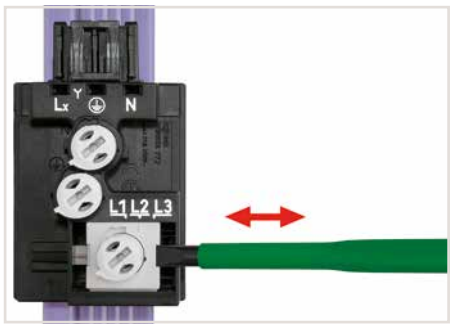
The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.



Snapping a supply or tap-off module onto a mounting plate.

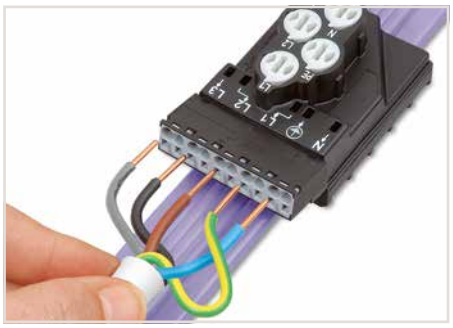


The phase selector is in position L2 (center) when delivered.



Move the phase selector into position L1 or L3 if required.

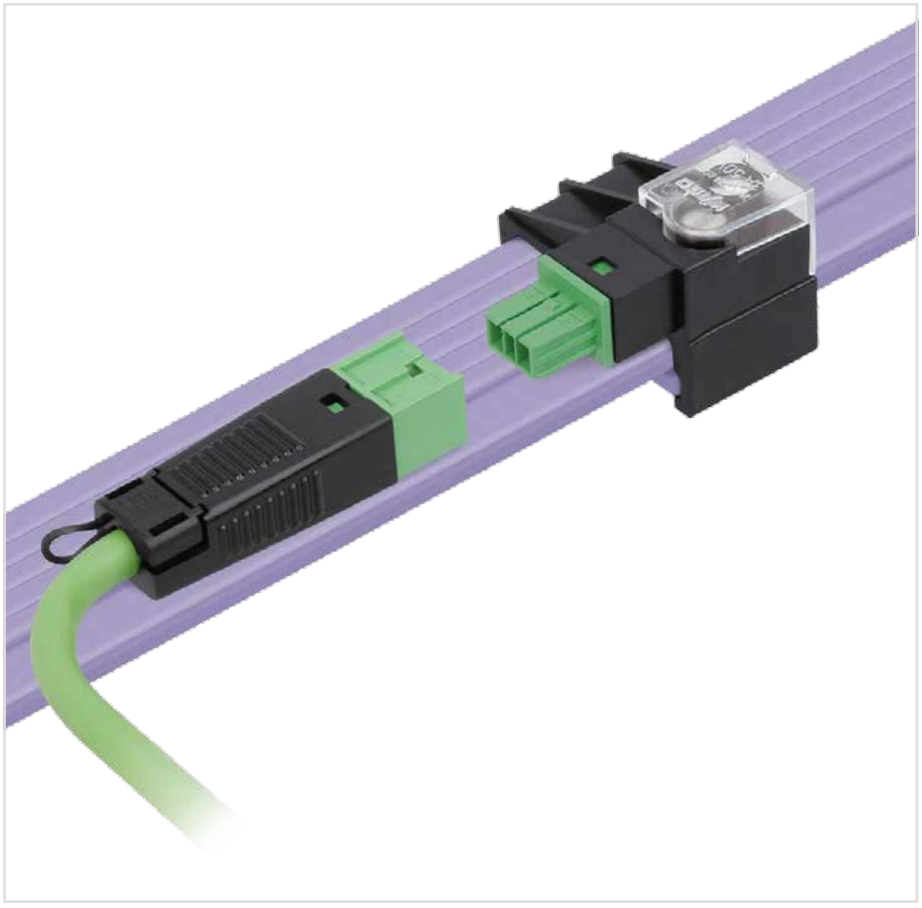
After connecting the flat cable, the IDC module is locked and can no longer be moved, even after unscrewing the contact element.

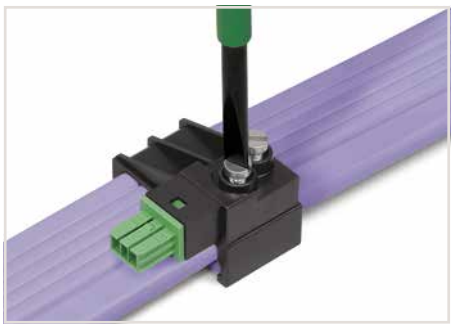


Connecting an installation cable to the supply module: Simply push stripped, solid conductors into unit. Open clamp via screwdriver to insert stripped, fine-stranded conductors.

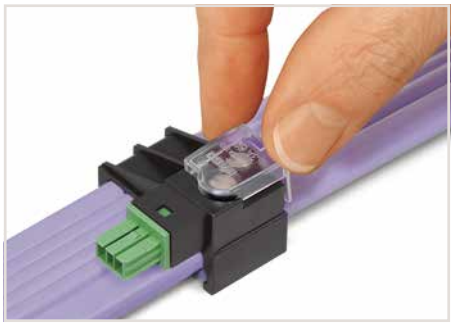
Secure supply cable via strain relief housing.

Tighten strain relief screw using a screwdriver.



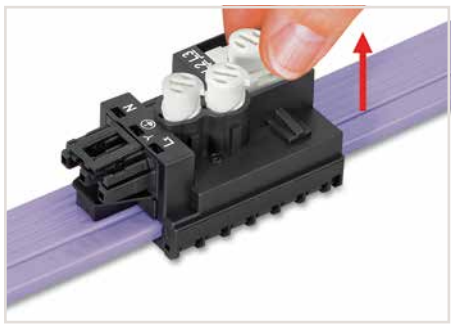


Tighten the screws to connect the flat cable.
Observe 1 Nm of tightening torque!



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/Tap-Off Module ▸ *WINSTA*® IDC ▸ 772 Series
for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

- Set: Supply module and strain relief housing 770-505
- 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	-	-	

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating 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

6

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and pluggable connectors	Page 398
Tool	Page 400

See technical section for further information

For approvals and corresponding ratings, visit www.wago.com

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 772 Series
for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

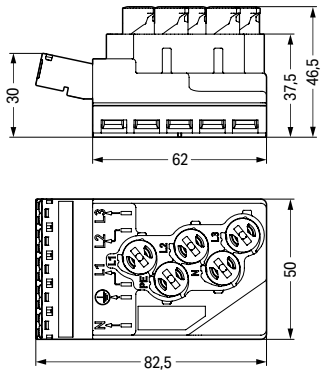
Supply module ▸ Pole No.: 5

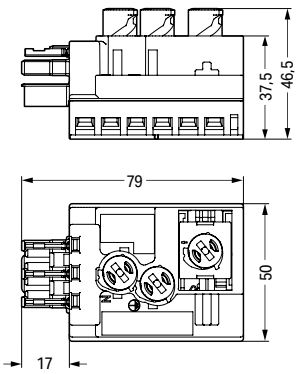
Color	Item No.	PU
black	772-261	10
blue	772-271	10
red	772-267	10
gray	772-264/060-000	10

Tap-off module ▸ Pole No.: 3

772-263

Color	Item No.	PU
black	772-263	10
red	772-269	10
gray	772-266/060-000	10





Item-Specific Accessories

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Accessories; for all products on this page

Mounting plate;

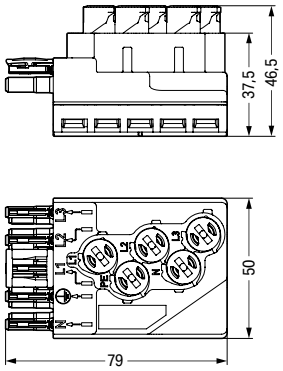
Color	Item No.	PU
black	772-260	10

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

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 772 Series
for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

Tap-off module ▸ Pole No.: 5

Color	Item No.	PU
black	772-262	10
blue	772-272	10
red	772-268	10
gray	772-265/060-000	10



6

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole No.: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting plate;

Color	Item No.	PU
black	772-260	10

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

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ Pole No.: 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 point along 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	-	-	

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating 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

6

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and pluggable connectors Page 399

See technical section for further information

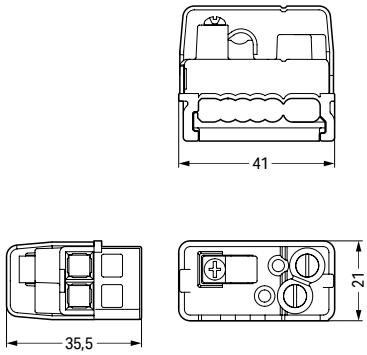
For approvals and corresponding ratings, visit www.wago.com

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ Pole No.: 2

Supply module

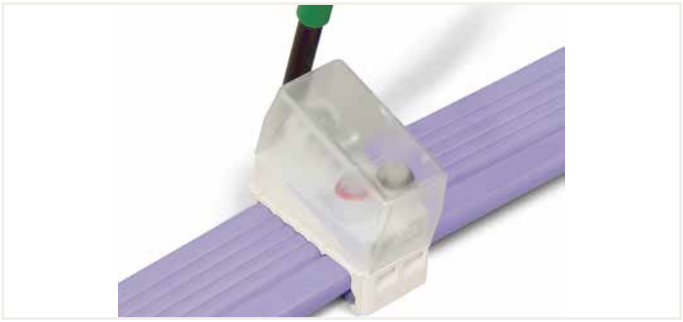
893-261

Color	Item No.	PU
gray	893-261	50

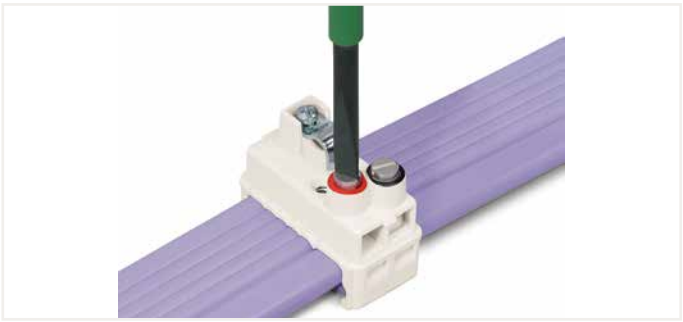


The IDC module can only be mounted if the two codings match each other.

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.

6

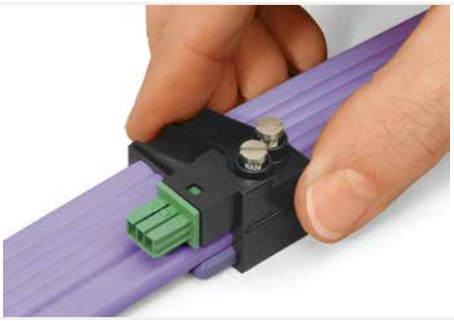
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ Pole No.: 2

Tap-off module

893-262

Color	Item No.	PU
green	893-262	50
light gray	893-269	50



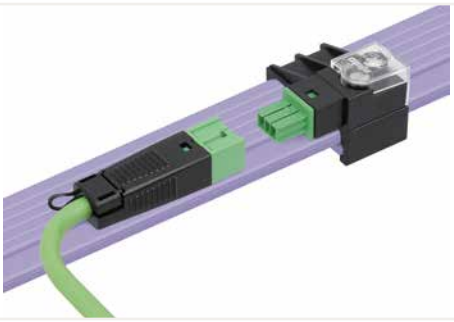
The IDC module can only be mounted if the two codings match each other.

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.

6

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

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ Pole No.: 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 point along 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

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire class per EN 50575	E_{ca}

Mechanical Data	
Number of mating cycles	200
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating 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

6

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and pluggable connectors Page 397

See technical section for further information

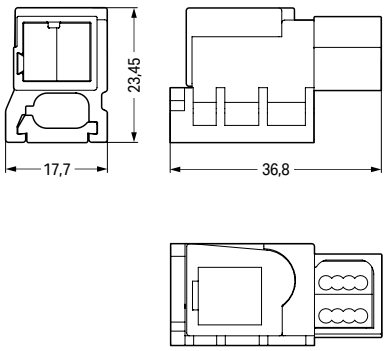
For approvals and corresponding ratings, visit www.wago.com

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ Pole No.: 2

Supply module

893-121

Color	Item No.	PU
black	893-121	25



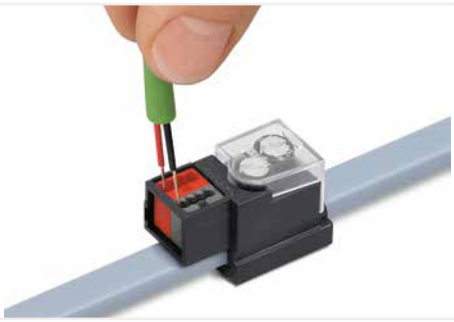
The IDC module can only be mounted if the two codings match each other.

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.

6

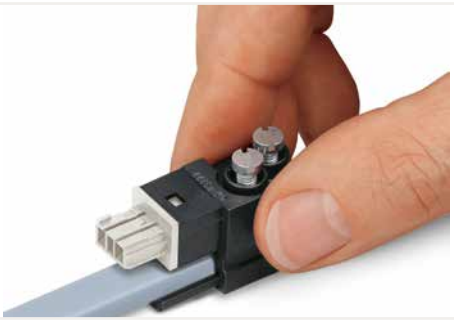
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ Pole No.: 2

Tap-off module

893-129

Color	Item No.	PU
light gray	893-129	50
green	893-122	50



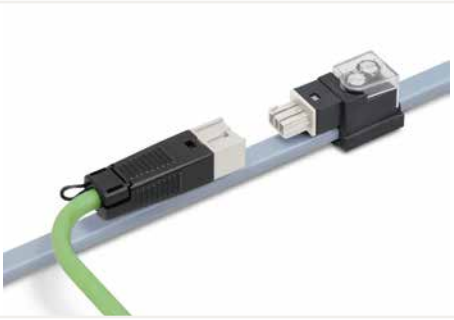
The IDC module can only be mounted if the two codings match each other.

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.

6

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

Supply/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 point along 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	-	-	

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Protection type	IP20

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C

6

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and pluggable connectors Page 398

See technical section for further information

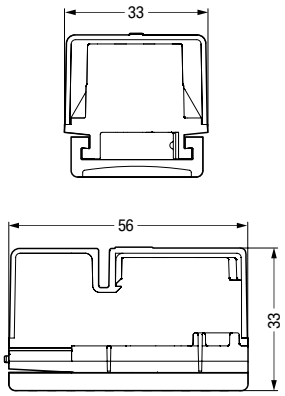
For approvals and corresponding ratings, visit www.wago.com

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Supply module ▸ Pole No.: 3

896-231

Color	Item No.	PU
gray	896-231	10



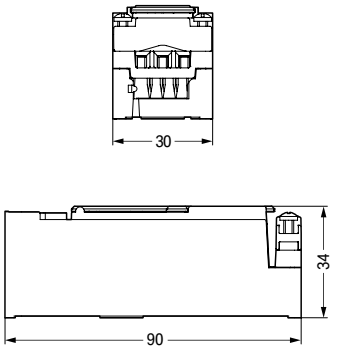
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Tap-off module ▸ Pole No.: 3

896-232

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.

6

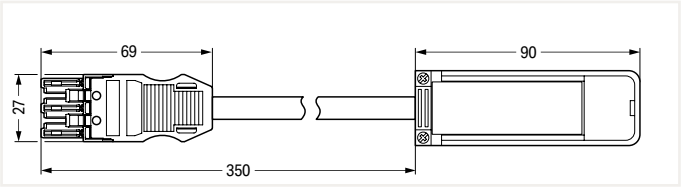
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Cable assembly

896-233

Color	Item No.	PU
black	896-233	1
white	896-234	1



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

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 10 mm² ▸ Pole No.: 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 point along 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	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (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 operating 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

6

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

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See technical section for further information

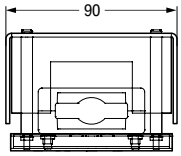
For approvals and corresponding ratings, visit www.wago.com

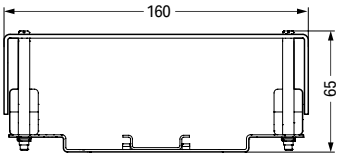
Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 10 mm² ▸ Pole No.: 5

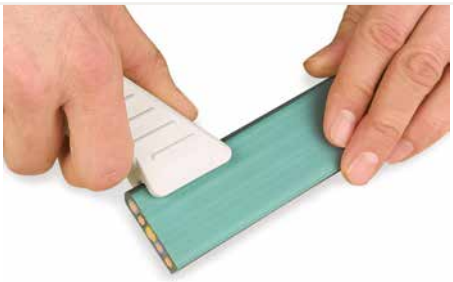
Supply module

895-1051

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 the flat cable insulation via cable cutter.

Push end cover fully onto the conductor ends.

6

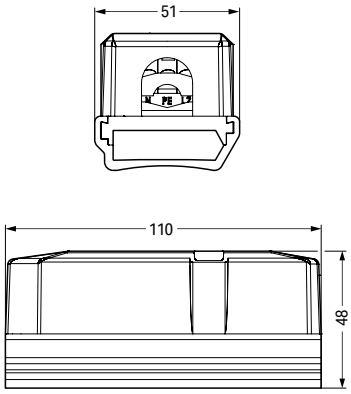
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 10 mm² ▸ Pole No.: 5

Tap-off module

895-1052

Color	Item No.	PU
◯ transparent	895-1052	25



6

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

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 16 mm² ▸ Pole No.: 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 point along 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-type connection
Connection technology 2	IDC

Material Data	
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)

Mechanical Data	
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP65 with screw-type connection/blind plug

Environmental Requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating 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

6

All WINSTA® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and pluggable connectors Page 399

See technical section for further information

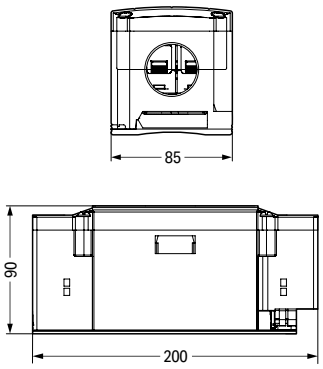
For approvals and corresponding ratings, visit www.wago.com

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 16 mm² ▸ Pole No.: 5

Supply module

895-1651

Color	Item No.	PU
black	895-1651	1



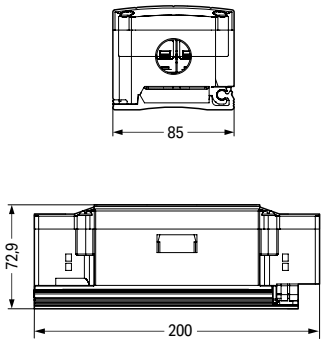
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Supply/Tap-Off Module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 16 mm² ▸ Pole No.: 5

Tap-off module

895-1652

Color	Item No.	PU
● black	895-1652	1

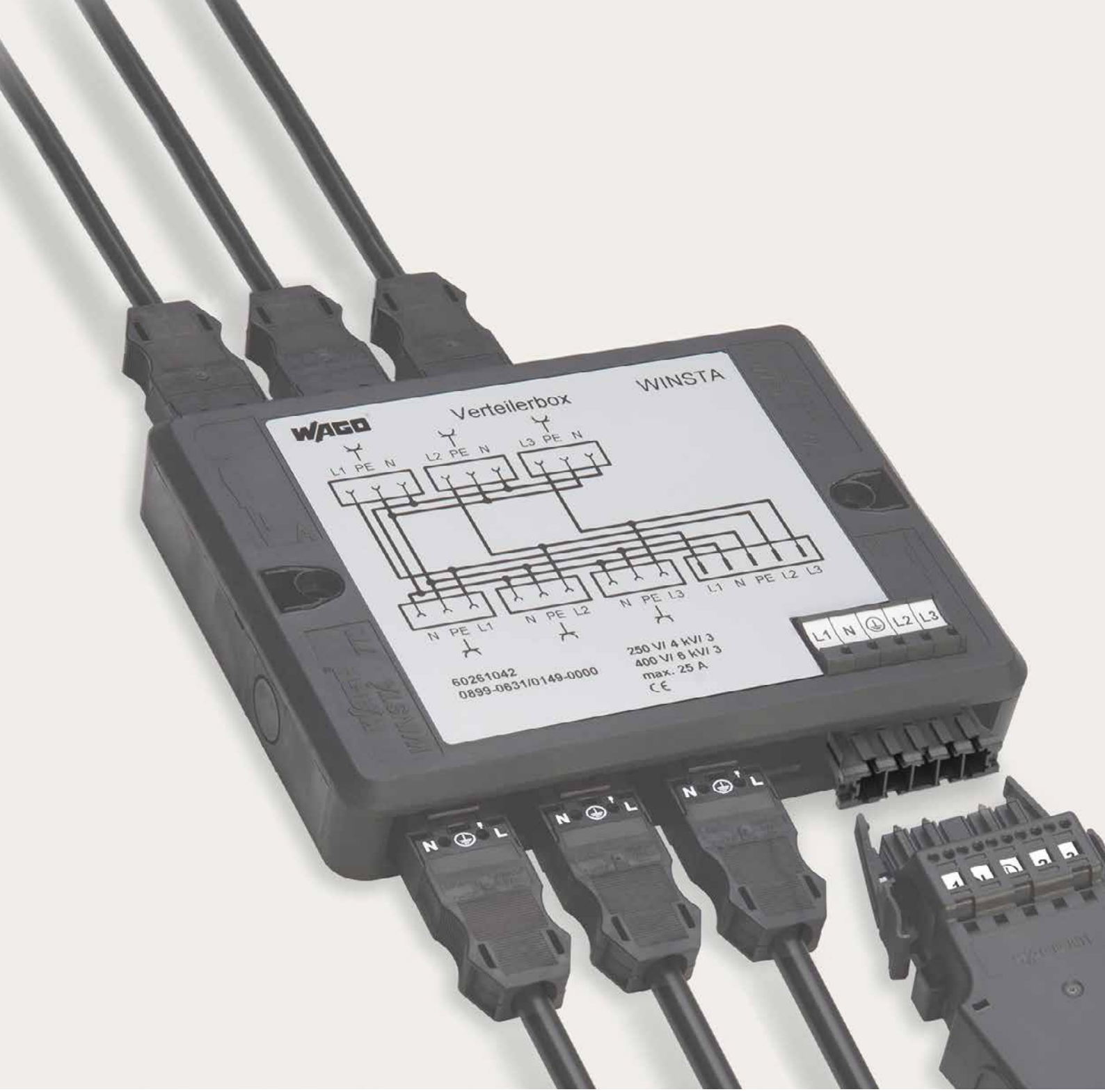


Tighten the screws to the stop to connect the flat cable (observe the tightening torque!)

Red contact clips confirm that the contacts are made correctly when they are flush with the terminals.

6

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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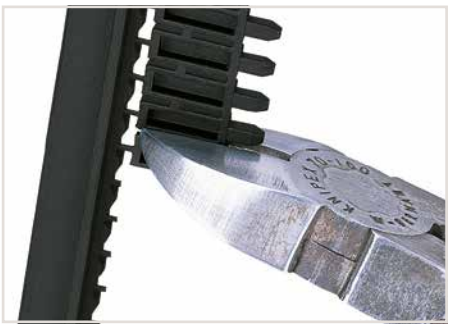
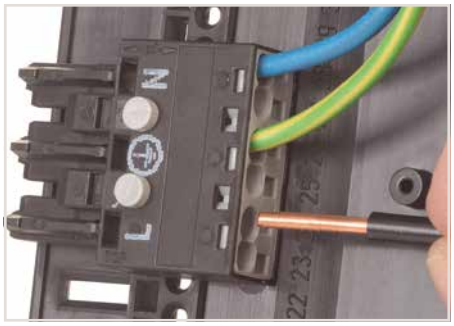
WINSTA® Boxes ▸ 899 Series
System Description and Installation

The set includes: 1 bottom, 1 lid, 2 sidewalls and 16 mounting pins.

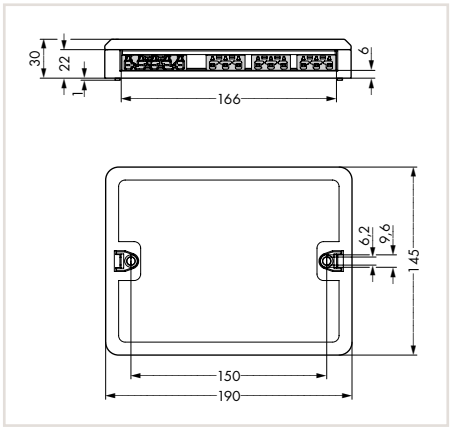


Remove unrequired areas from the sidewalls.

Unassigned slots and spaces are closed by inserting a sidewall.



Using mounting pins to secure *WINSTA*® MIDI connectors in a distribution box .



Dimensions of a *WINSTA*® Box

Securing the mounting plate with *WINSTA*® Box to the wall (e.g., via stud gun).

Using adapters to install *WINSTA*® MINI connectors in a distribution box.

Custom-made *WINSTA*® Box

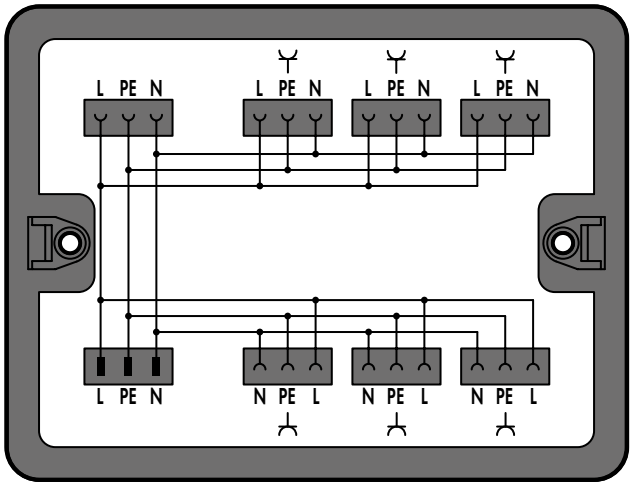
WINSTA® Boxes ▸ 899 Series
Single-Phase Current (230 V)
1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
● black	**899-631/104-000**	1

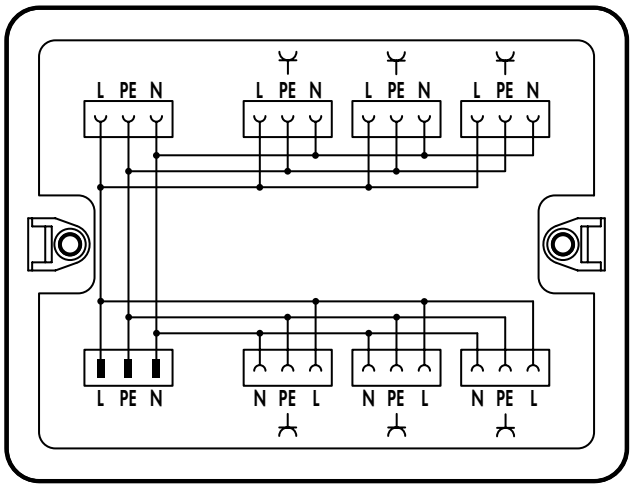
Single-Phase Current (230 V)
1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
○ white	**899-681/104-000**	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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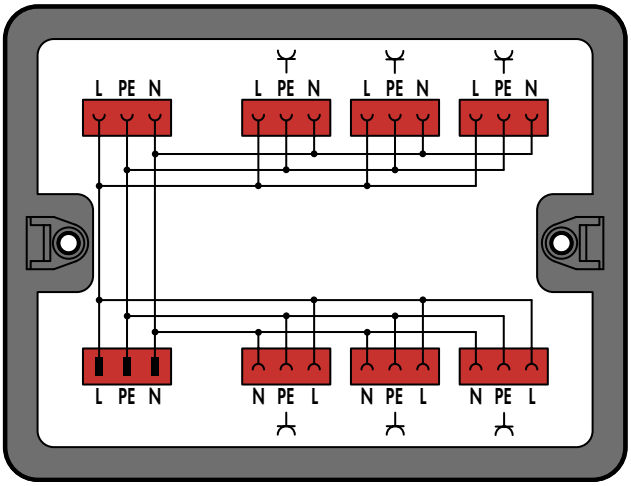
WINSTA® Boxes ▸ 899 Series
Single-Phase Current (230 V)
1 Input; 7 Outputs; P-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
● black	899-631/330-000	1

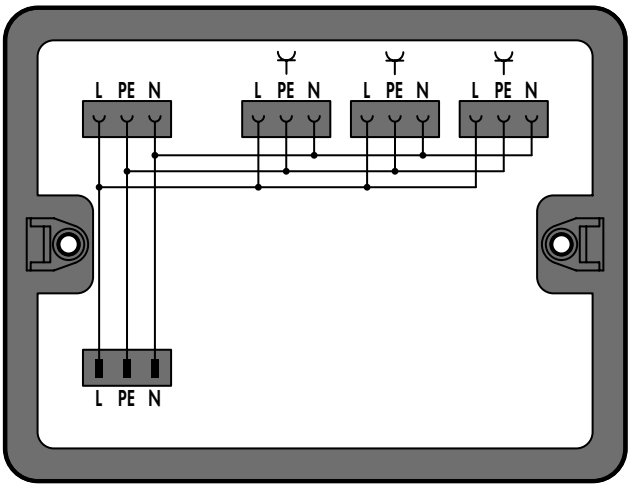
Single-Phase Current (230 V)
1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	20 A
Internal wiring	2.5 mm² (halogen-free)



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
● black	899-631/476-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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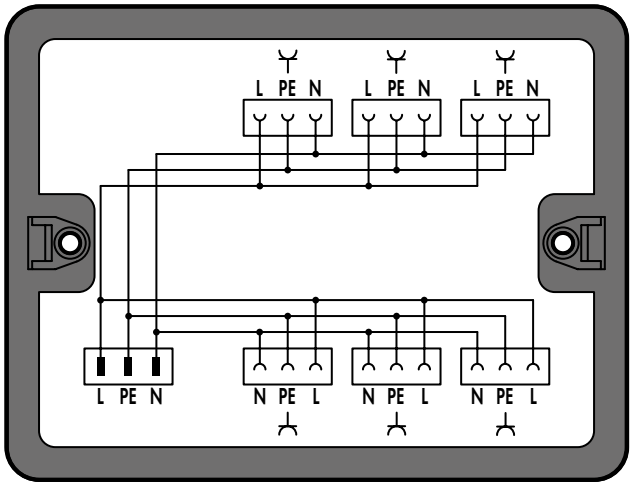
WINSTA® Boxes ▸ 899 Series
Single-Phase Current (230 V)
1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)

Color	Item No.	Pack. Unit
black	899-631/395-000	1

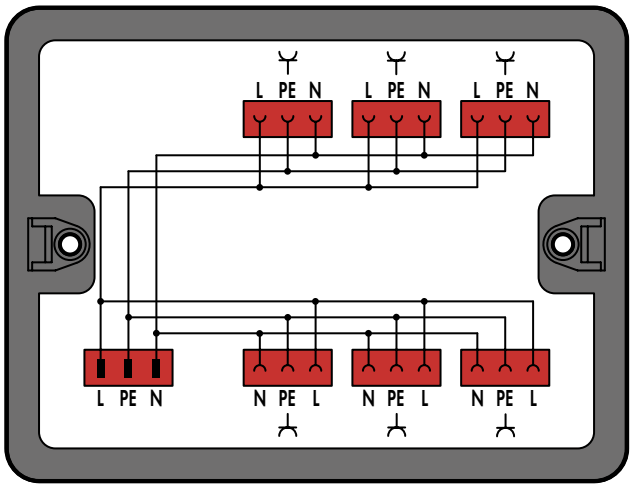
Single-Phase Current (230 V)
1 Input; 6 Outputs; P-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)

Color	Item No.	Pack. Unit
black	899-631/331-000	1

WINSTA® Boxes ▸ 899 Series
Single-Phase Current (230 V)
1 Input; 13 Outputs; A-Coding; *WINSTA*® MIDI

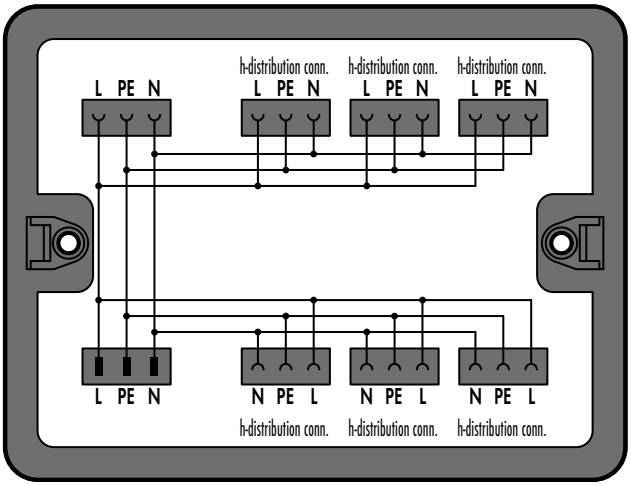
Description

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Includes: Six h-distribution connectors (770-634)

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
● black	899-631/334-000	1

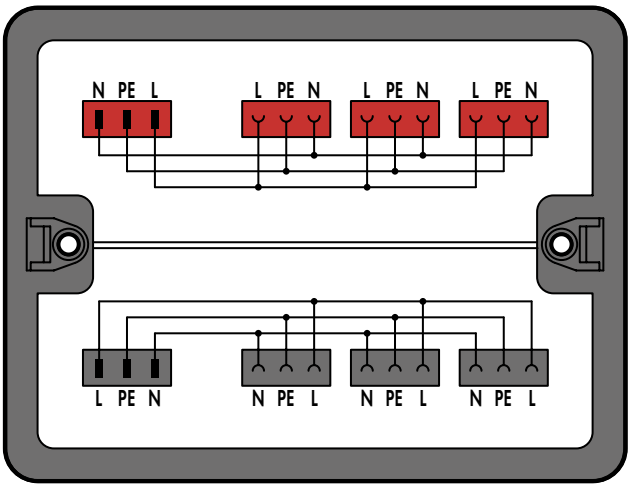
Single-Phase Current (230 V)
2 Inputs; 6 Outputs; A-, P-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® 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 impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
● black	899-631/311-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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Approvals, see www.wago.com	

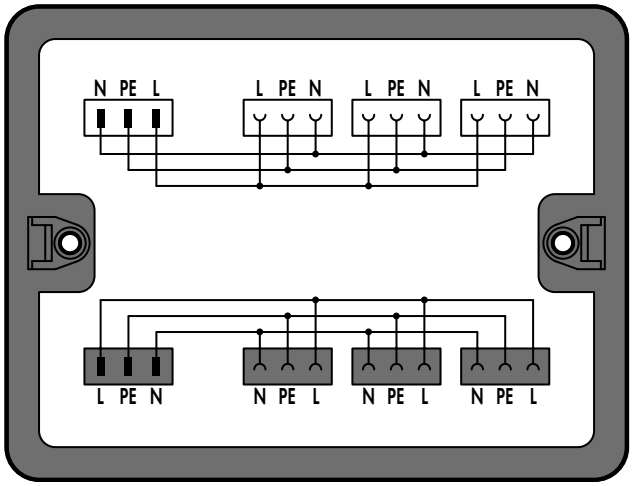
WINSTA® Boxes ▸ 899 Series
Single-Phase Current (230 V)
2 Inputs; 6 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® 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 impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
● black	**899-631/327-000**	1

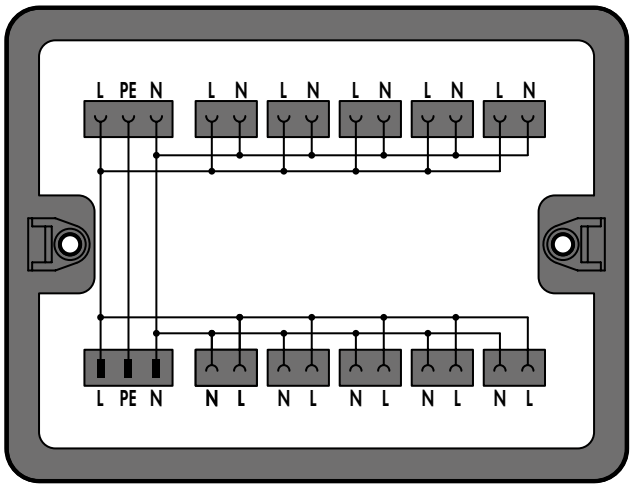
Single-Phase Current (230 V)
1 Input; 11 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box features a 3-pole transmission line and ten 2-pole outputs.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	16 A
Internal wiring	1.5 mm² (halogen-free)



Distribution box; single-phase current (230 V)		
Color	Item No.	Pack. Unit
● black	**899-631/477-000**	1

7

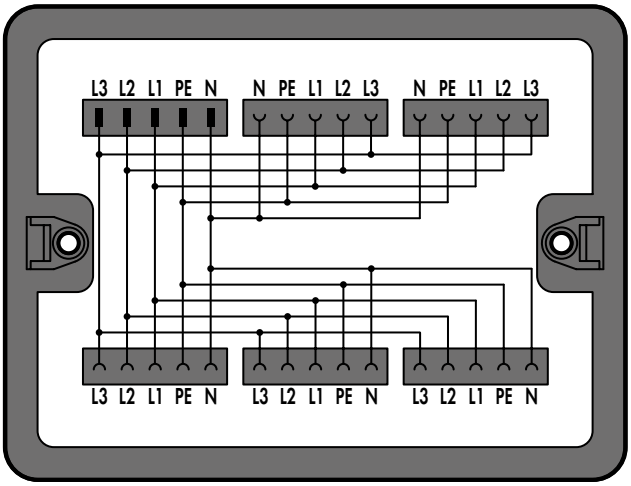
WINSTA® Boxes ▸ 899 Series
Three-Phase Current (400 V)
1 Input; 5 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box duplicates the outputs of a 5-pole, three-phase cable.

Technical Data

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; three-phase current (400 V)		
Color	Item No.	Pack. Unit
● black	**899-631/187-000**	1

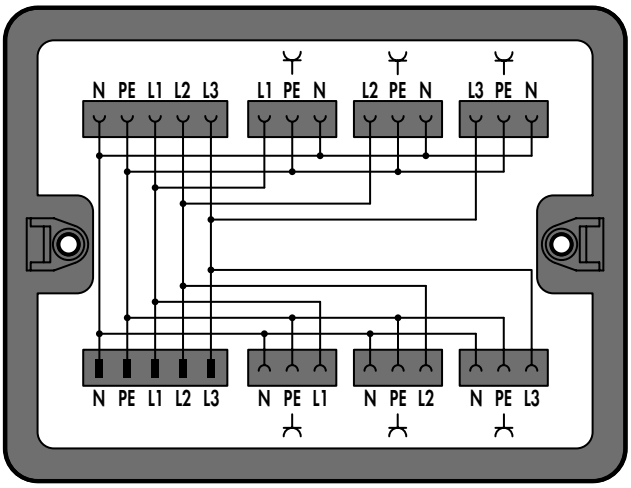
Three-Phase to Single-Phase Current (400 V/230 V)
1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

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 impulse 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.	Pack. Unit
● black	**899-631/100-000**	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WINSTA® Boxes ▸ 899 Series

Three-Phase to Single-Phase Current (400 V / 230 V)

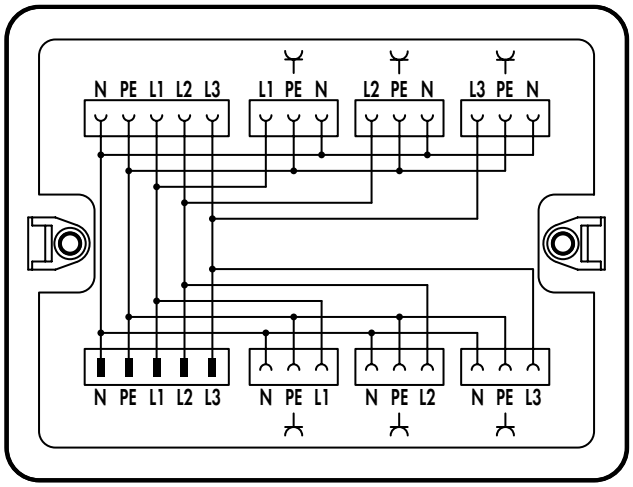
1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

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 impulse 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.	Pack. Unit
○ white	**899-681/100-000**	1

Distribution; Three-Phase to Single-Phase Current (400 V / 230 V)

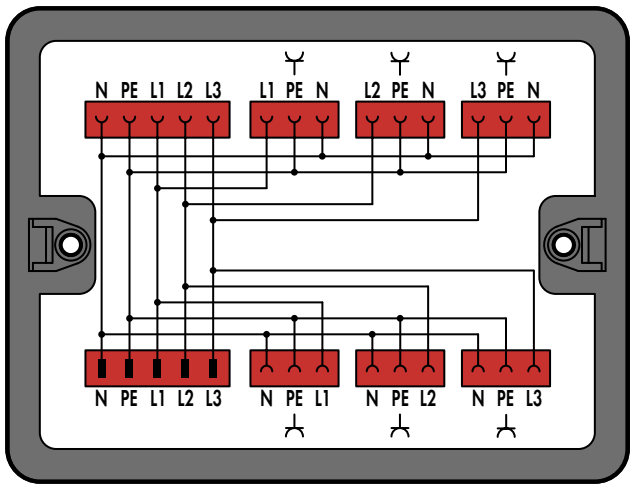
1 Input; 7 Outputs; P-Coding; *WINSTA*® MIDI

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 impulse 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.	Pack. Unit
● black	**899-631/186-000**	1

WINSTA® Boxes ▸ 899 Series

Three-Phase to Single-Phase Current (400 V / 230 V)

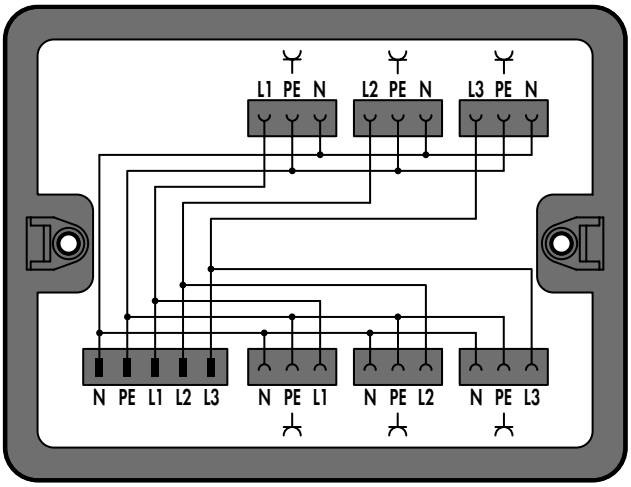
1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

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 impulse 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.	Pack. Unit
● black	**899-631/105-000**	1

Three-Phase to Single-Phase Current (400 V/230 V)

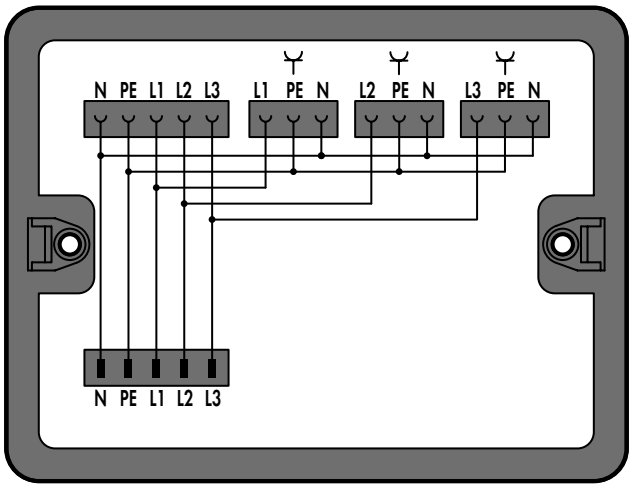
1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

Description

The phases L_1, L_2 and L_3 of the three-phase current are divided into three single-phase circuits with one output each.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated impulse 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.	Pack. Unit
● black	**899-631/346-000**	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WINSTA® Boxes ▸ 899 Series

Three-Phase to Single-Phase Current (400 V / 230 V)

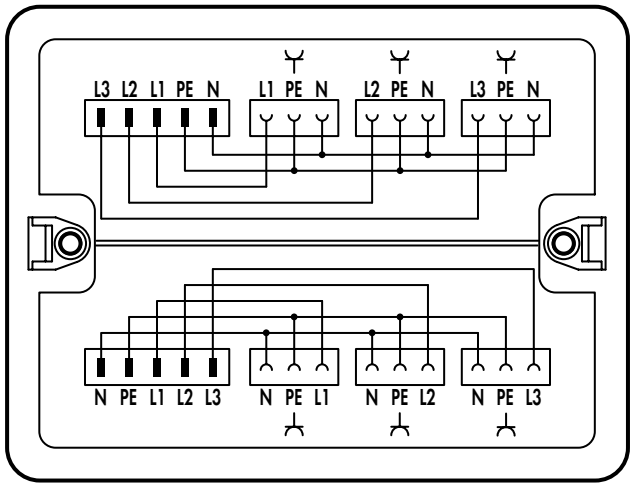
2 Inputs; 6 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® 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 impulse voltage (III / 3)	4 kV / 6 kV
Rated current	20 A
Internal wiring	2.5 mm² (halogen-free)



Distribution box; three-phase to single-phase current (400 V / 230 V)		
Color	Item No.	Pack. Unit
○ white	**899-681/144-000**	1

Three-Phase to Single-Phase Current (400 V/230 V)

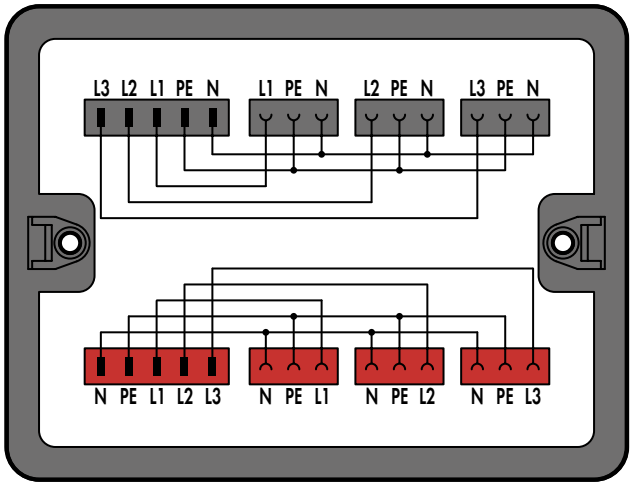
2 Inputs; 6 Outputs; A-, P-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® 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 impulse 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.	Pack. Unit
● black	**899-631/302-000**	1

WINSTA® Boxes ▸ 899 Series

Three-Phase to Single-Phase Current (400 V / 230 V)

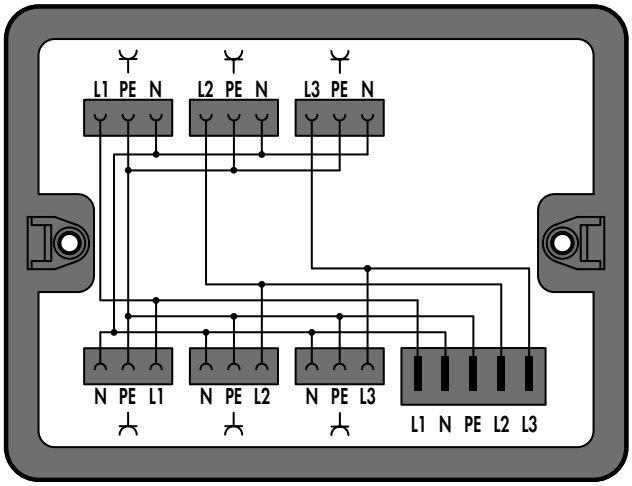
1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI; *WINSTA*® MAXI

Description

This *WINSTA*® 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 impulse 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.	Pack. Unit
● black	899-631/149-000	1

Three-Phase to Single-Phase Current (400 V/230 V)

Supply Cable Entry; 1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

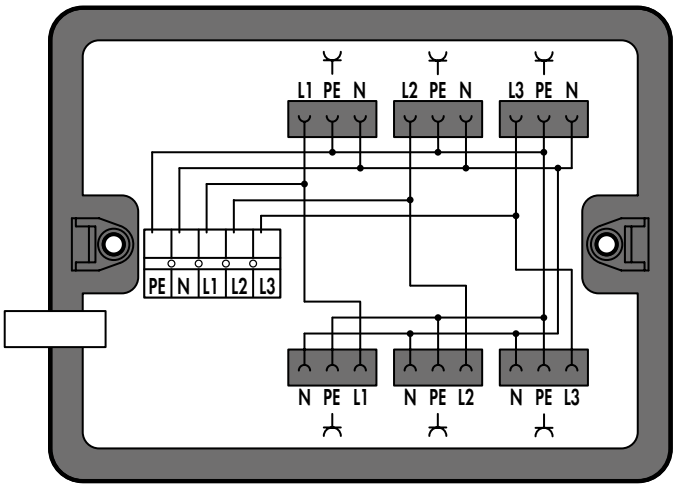
Description

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 impulse 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.	Pack. Unit
● black	899-631/338-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WINSTA® Boxes ▸ 899 Series

Three-Phase to Single-Phase Current (400 V / 230 V)

Supply Cable Entry; 1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

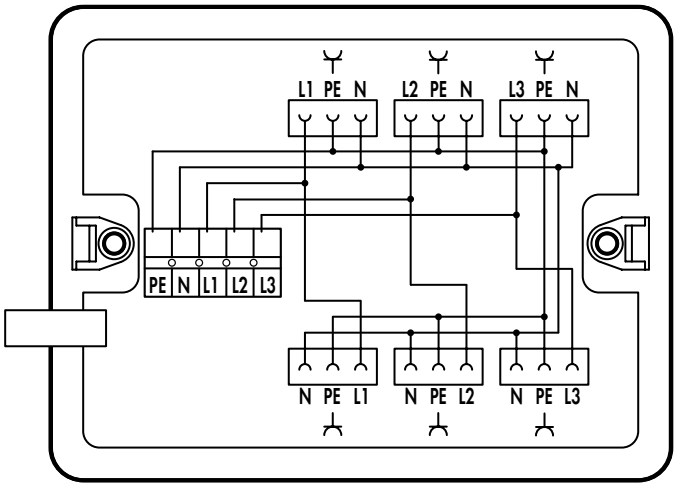
Description

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 impulse 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.	Pack. Unit
○ white	**899-681/123-000**	1

Supply Cable Entry

Supply Cable Entry; 1 Input; 6 Outputs; P-Coding; *WINSTA*® MIDI

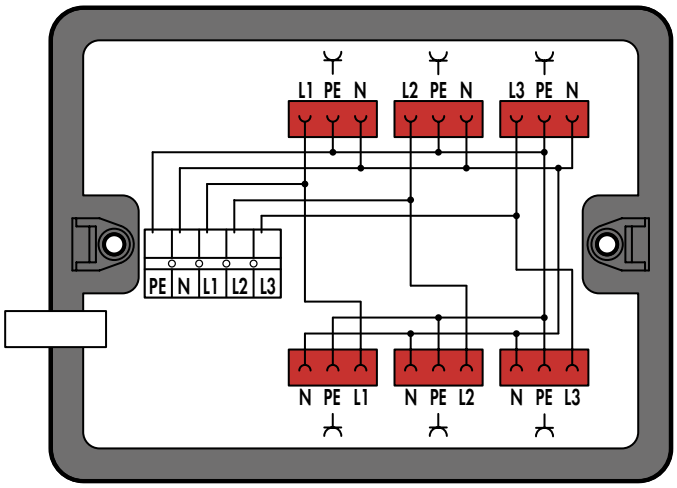
Description

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 impulse 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.	Pack. Unit
● black	**899-631/339-000**	1

WINSTA® Boxes ▸ 899 Series

Supply Cable Entry

6 Outputs; A-Coding; *WINSTA*® MIDI

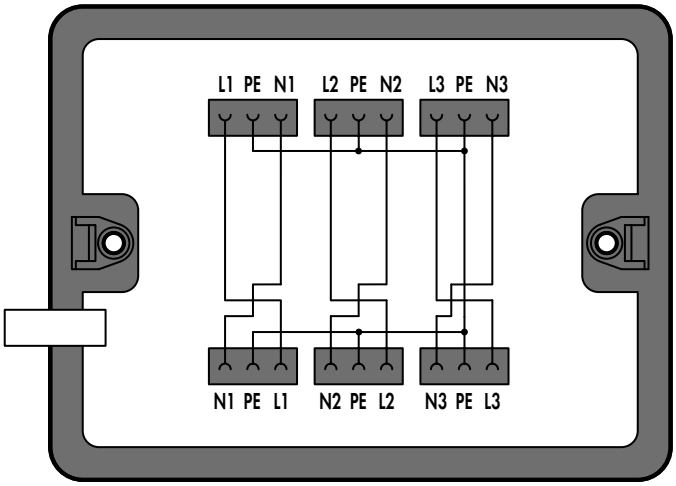
Description

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 impulse voltage (III / 3)	4 kV / 6 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; supply cable entry		
Color	Item No.	Pack. Unit
● black	899-631/450-000	1

Supply Cable Entry

4 Outputs; A-Coding; *WINSTA*® MIDI

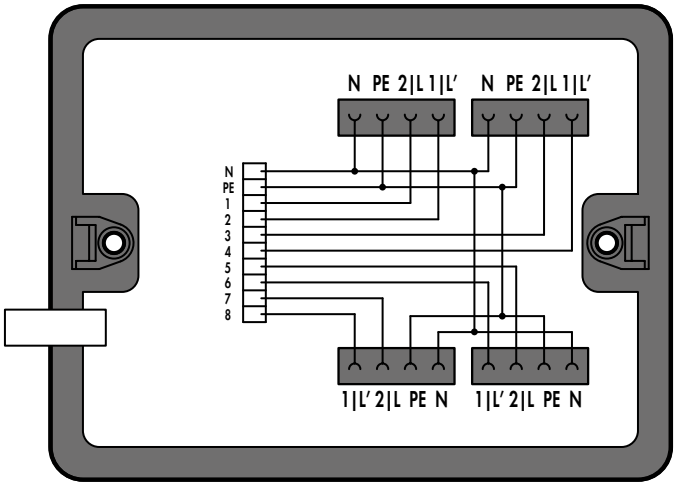
Description

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 impulse voltage (III / 3)	4 kV / 6 kV
Rated current	16 A
Internal wiring	1.5 mm² (halogen-free)



Distribution box; supply cable entry		
Color	Item No.	Pack. Unit
● black	899-631/453-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WINSTA® Boxes ▸ 899 Series
Supply Cable Entry
8 Outputs; B-Coding; *WINSTA*® MINI

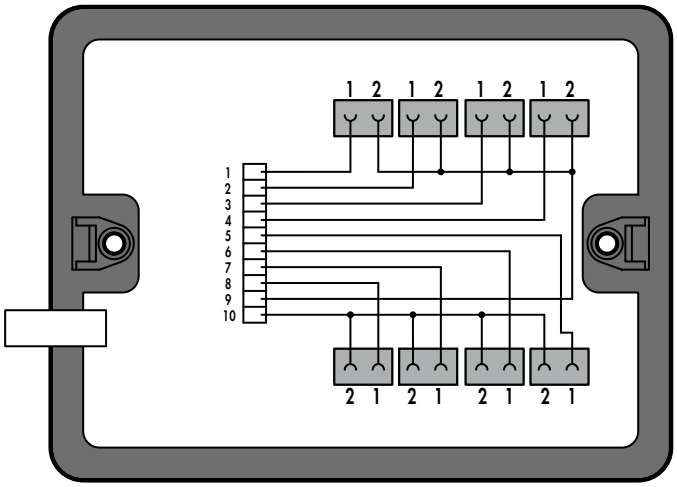
Description

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
Rated impulse voltage (III / 3)	4 kV
Rated current	6 A
Internal wiring	0.75 mm²



Distribution box; supply cable entry		
Color	Item No.	Pack. Unit
● black	**899-631/454-000**	1

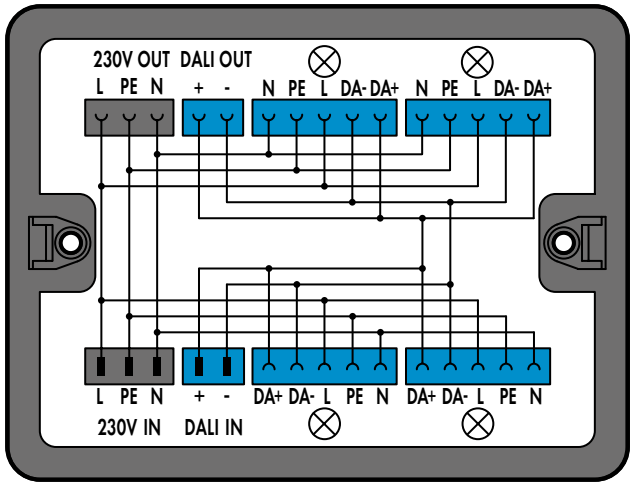
230 V + DALI
2 Inputs; 6 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Box connects 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 impulse voltage (III / 3)	4 kV
Rated current	25 A / 16 A
Internal wiring	4 mm² / 1.5 mm²



Distribution box; 230 V + DALI		
Color	Item No.	Pack. Unit
● black	**899-631/181-000**	1

7

WINSTA® Boxes ▸ 899 Series

400 V + DALI

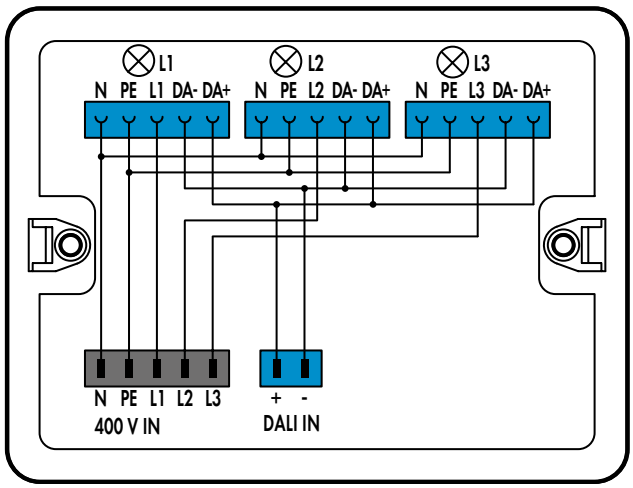
2 Inputs; 3 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Box combines the L1, L2 and L3 phases of the 3-phase current with the DALI signal (separate cable).

Technical Data

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm² (halogen-free)



Distribution box; 400 V + DALI		
Color	Item No.	Pack. Unit
○ white	899-681/145-000	1

400 V + DALI

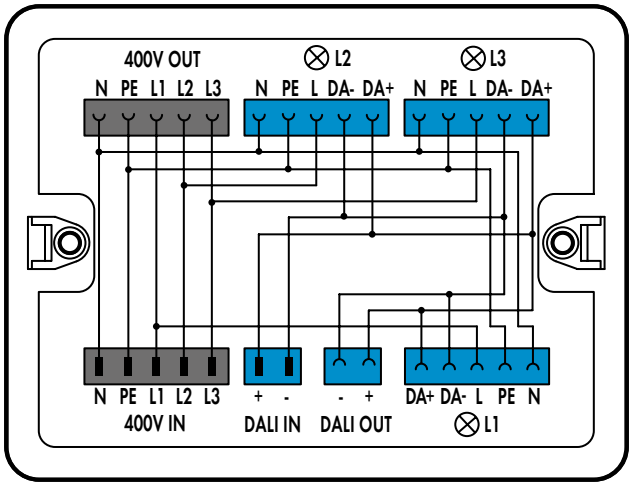
2 Inputs; 5 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Box combines the L1, L2 and L3 phases of the 3-phase current with the DALI signal (separate cable).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated impulse voltage (III / 3)	4 kV / 6 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm² (halogen-free)



Distribution box; 400 V + DALI		
Color	Item No.	Pack. Unit
○ white	899-681/147-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WINSTA® Boxes ▸ 899 Series

400 V + DALI

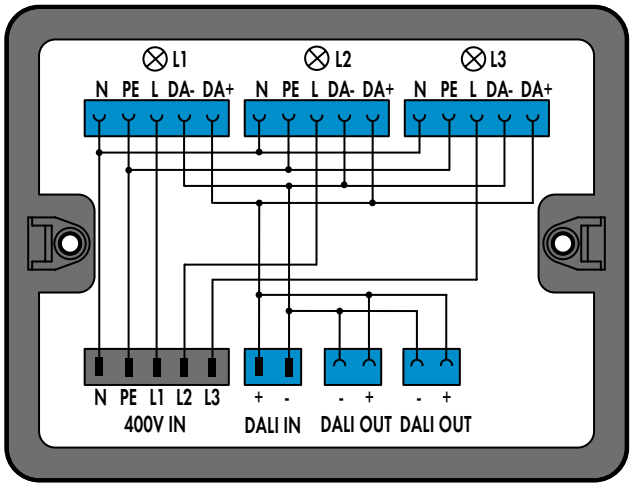
2 Inputs; 5 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Box combines the L1, L2 and L3 phases of the 3-phase current with the DALI signal (separate cable).

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated impulse voltage (III / 3)	4 kV / 6 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm² (halogen-free)



Distribution box; 400 V + DALI		
Color	Item No.	Pack. Unit
● black	**899-631/455-000**	1

230 V + DALI

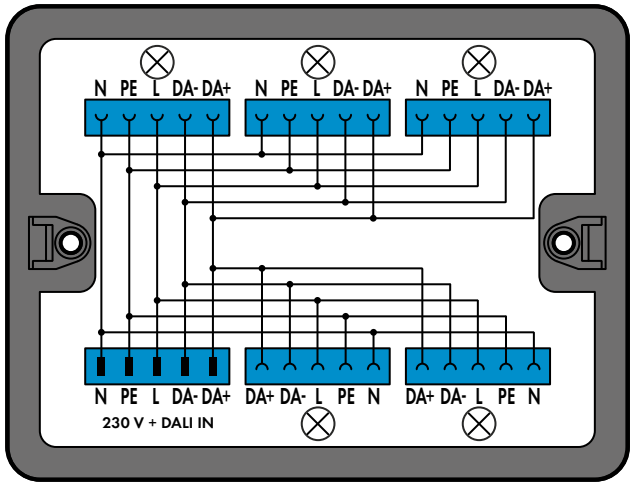
1 Input; 5 Outputs; I-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box connects 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 impulse voltage (III / 3)	4 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm² (halogen-free)



Distribution box; 230 V + DALI		
Color	Item No.	Pack. Unit
● black	**899-631/313-000**	1

WINSTA® Boxes ▸ 899 Series

230 V + DALI

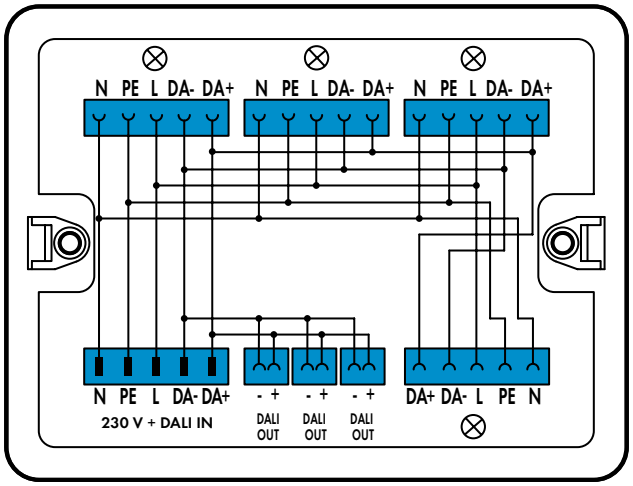
1 Input; 7 Outputs; I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Box connects 5-pole DALI lights.
Both 230 V power supply and DALI bus for light scene control are combined into a single line. Additionally, three isolated DALI signals are available.

Technical Data

Rated voltage (III / 3)	250 V / 400 V
Rated impulse voltage (III / 3)	4 kV / 6 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm² (halogen-free)



Distribution box; 230 V + DALI		
Color	Item No.	Pack. Unit
○ white	899-681/146-000	1

230 V + SMI

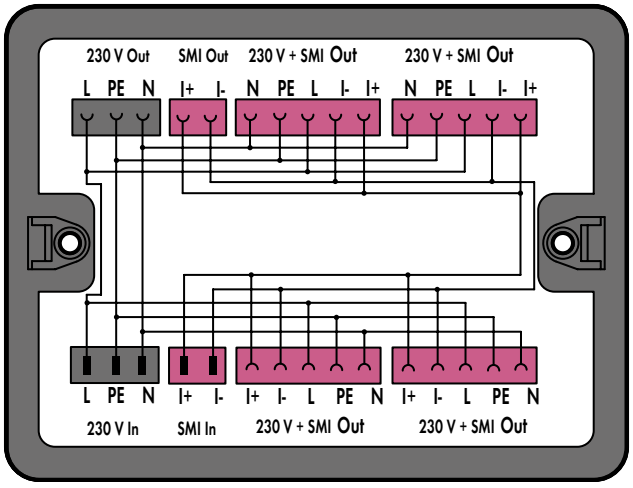
2 Inputs, 6 Outputs, A-, B-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Box connects to 5-pole SMI drives. Power supply is performed via two cables (230 V and SMI).

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A / 16 A
Internal wiring	4 mm² / 1.5 mm²



Distribution box; 230 V + SMI		
Color	Item No.	Pack. Unit
● black	899-631/405-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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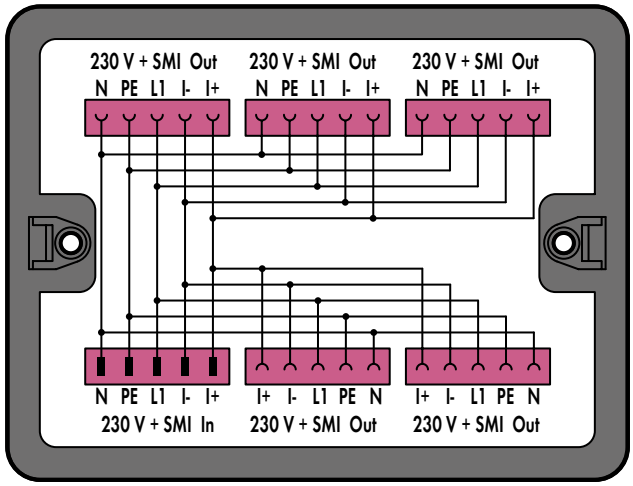
WINSTA® Boxes ▸ 899 Series
230 V + SMI
1 Input; 5 Outputs; B-Coding, *WINSTA*® MIDI

Description

This *WINSTA*® 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 impulse voltage (III / 3)	4 kV
Rated current	20 A / 16 A
Internal wiring	2.5 mm² / 1.5 mm² (halogen-free)



Distribution box; 230 V + SMI		
Color	Item No.	Pack. Unit
● black	**899-631/421-000**	1

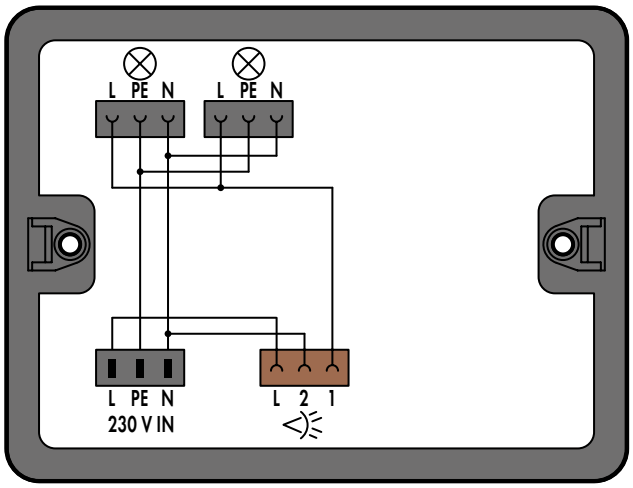
Motion/Presence Detector
1 Input; 3 Outputs; A-, S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box connects to one motion detector and two lights.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; motion/presence detector		
Color	Item No.	Pack. Unit
● black	**899-631/309-000**	1

WINSTA® Boxes ▸ 899 Series

Motion/Presence Detector

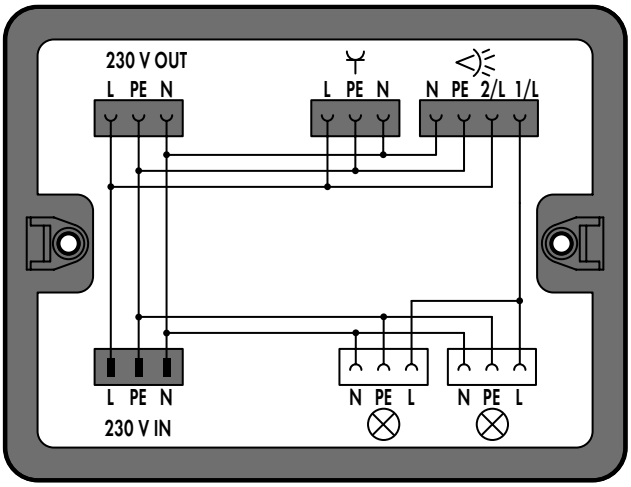
1 Input; 5 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box connects to one motion detector, two lights and one outlet.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; motion/presence detector		
Color	Item No.	Pack. Unit
● black	899-631/180-000	1

On/Off Switching

1 Input; 7 Outputs; A-, S-Coding; *WINSTA*® MIDI

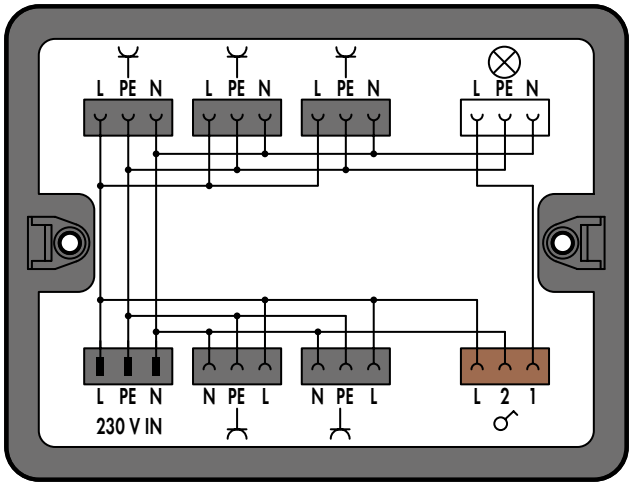
Description

This WINSTA® Box features one on/off switch with additional power outlets.

The distribution box is fitted on the 770-680 Mounting Plate.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	20 A
Internal wiring	2.5 mm² (halogen-free)



Distribution box; on/off switching		
Color	Item No.	Pack. Unit
● black	899-631/478-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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Approvals, see www.wago.com	

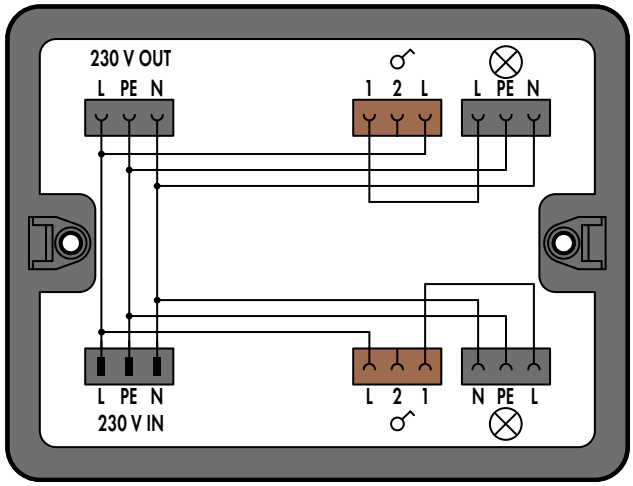
WINSTA® Boxes ▸ 899 Series
On/Off Switching
1 Input; 5 Outputs; A-, S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box features two on/off switches for one light each.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; on/off switching		
Color	Item No.	Pack. Unit
● black	899-631/363-000	1

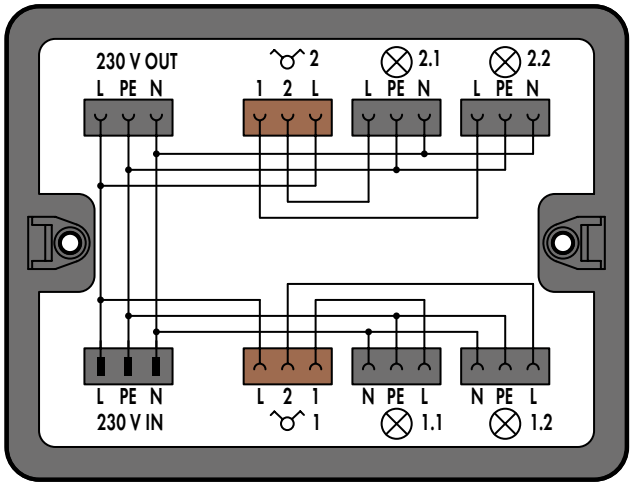
Series Switching
1 Input; 7 Outputs; A-, S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box features two series switches with pluggable connectors.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; series switching		
Color	Item No.	Pack. Unit
● black	899-631/386-000	1

WINSTA® Boxes ▸ 899 Series

Changeover Switching

1 Input; 7 Outputs; A-, S-Coding; *WINSTA*® MIDI

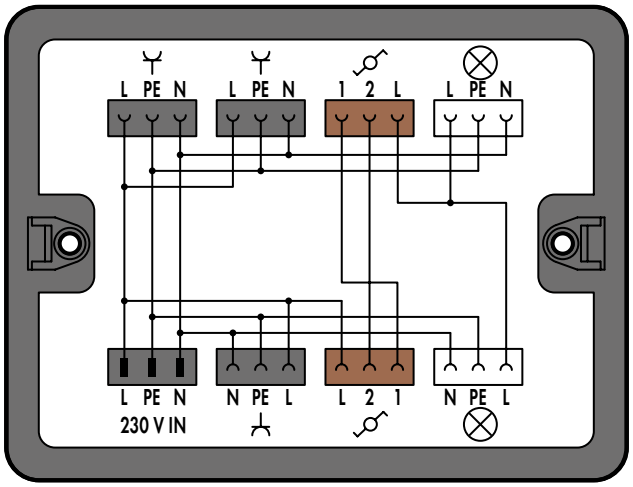
Description

This *WINSTA*® Box features two changeover switches and connects to power outlets.

The distribution box is fitted on the 770-680 Mounting Plate.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; changeover switching		
Color	Item No.	Pack. Unit
● black	899-631/189-000	1

Changeover Switching

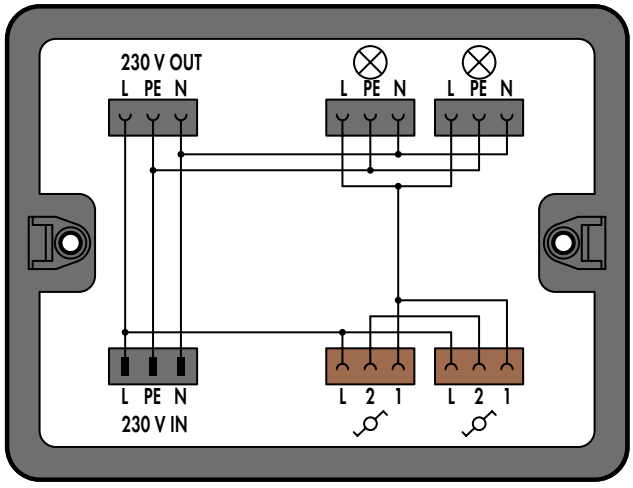
1 Input; 5 Outputs; A-, S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box features two changeover switches for two lights.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; changeover switching		
Color	Item No.	Pack. Unit
● black	899-631/308-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WINSTA® Boxes ▸ 899 Series

Crossover Switching

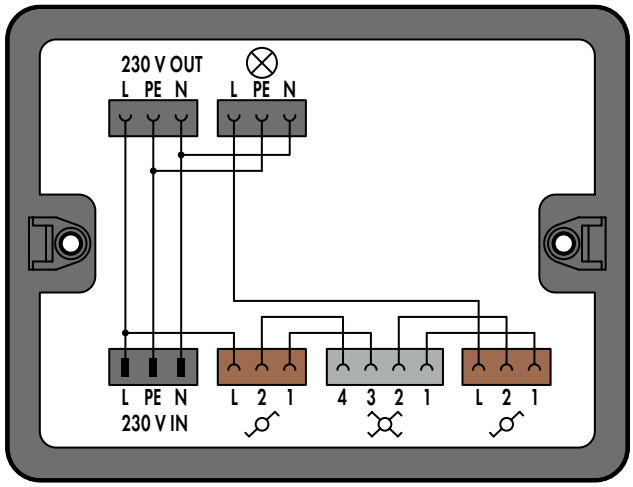
1 Input; 5 Outputs; A-, B-, S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box features one crossover switch.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A
Internal wiring	4 mm²



Distribution box; crossover switching		
Color	Item No.	Pack. Unit
● black	899-631/305-000	1

Cable and Device Protection

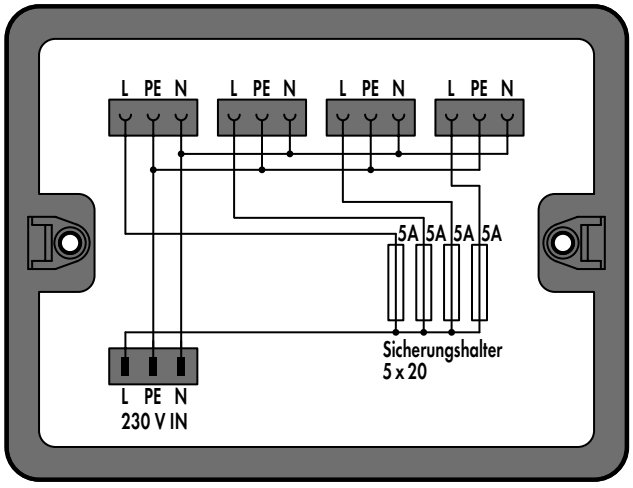
1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® 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 impulse voltage (III / 3)	4 kV
Rated current	5 A
Internal wiring	2.5 mm² (halogen-free)



Distribution box; cable and device protection		
Color	Item No.	Pack. Unit
● black	899-631/315-000	1

WINSTA® Boxes ▸ 899 Series

Latching Relay

1 Input; 4 Outputs; A-, S-Coding; *WINSTA*® MIDI

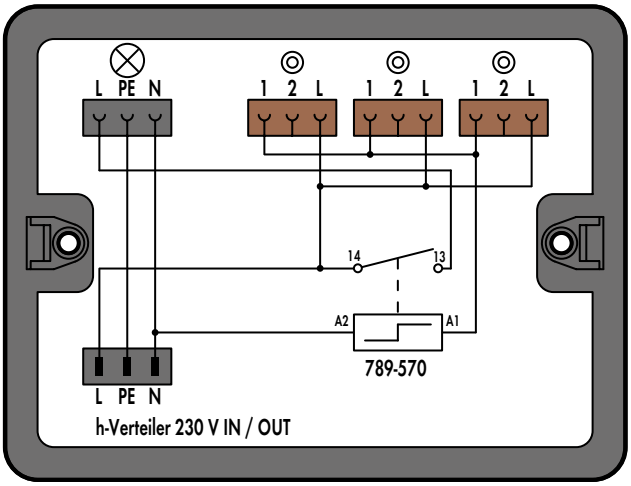
Description

This *WINSTA*® Box features one latching relay with three push-buttons and 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 impulse voltage (III / 3)	4 kV
Rated current	16 A
Internal wiring	2.5 mm² (halogen-free)



Distribution box; latching relay		
Color	Item No.	Pack. Unit
● black	899-632/101-000	1

Latching Relay

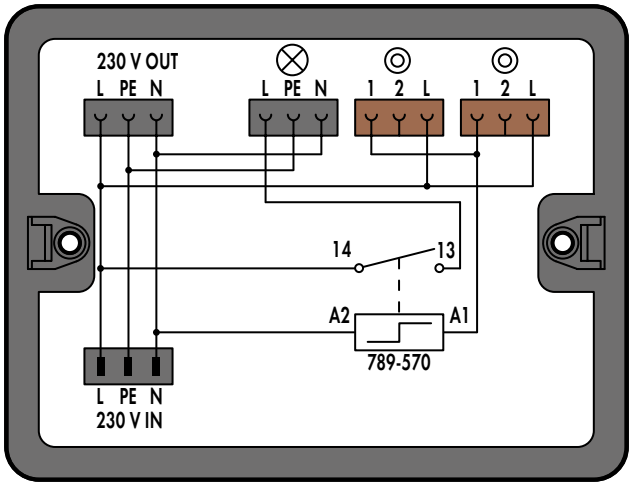
1 Input; 4 Outputs; A-, S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box features one latching relay with two push-buttons and one light.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	16 A
Internal wiring	2.5 mm² (halogen-free)



Distribution box; latching relay		
Color	Item No.	Pack. Unit
● black	899-632/138-000	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WINSTA® Boxes ▸ 899 Series

Latching Relay

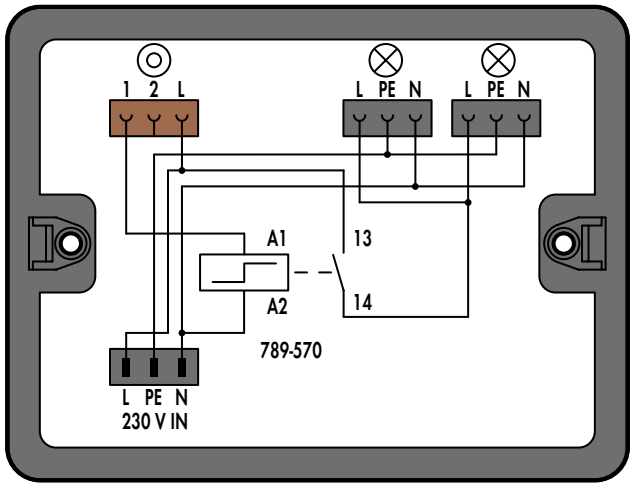
2 Inputs; 2 Outputs; A-, S-Coding; *WINSTA*® MIDI

Description

This *WINSTA*® Box features a latching relay with one push-button and two lights.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	16 A
Internal wiring	2.5 mm² (halogen-free)



Distribution box; latching relay		
Color	Item No.	Pack. Unit
● black	899-632/103-000	1

Relay Switching

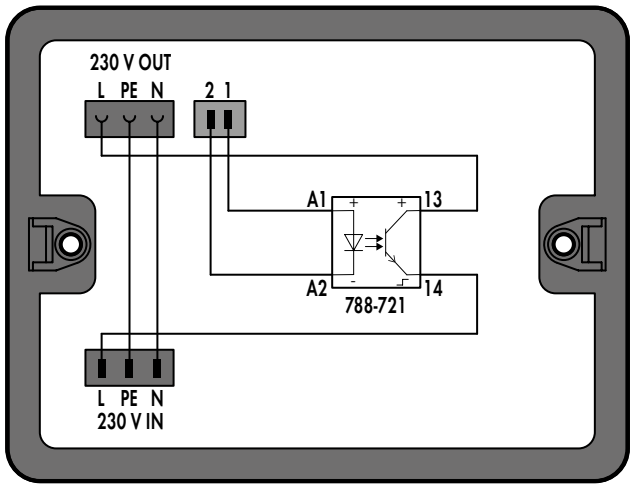
2 Inputs; 1 Output; A-, B-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

Description

This *WINSTA*® Box features one solid-state relay and switches 230 V at the zero cross.

Technical Data

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	4 A
Internal wiring	1.5 mm² (halogen-free)



Distribution box; relay switching		
Color	Item No.	Pack. Unit
● black	899-632/102-000	1

WINSTA® Boxes ▸ 899 Series
Distribution Box for Self-Assembly

Description

This *WINSTA*® 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.	Pack. Unit
● black	**899-631**	1
○ white	**899-681**	1

Distribution Box for Self-Assembly

Description

This *WINSTA*® 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.	Pack. Unit
● black	**899-632**	1
○ white	**899-682**	1

(III / 3) ≙ Overvoltage category III / Pollution degree 3

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WAGO Accessories and WAGO Tools

WAGO Accessories and WAGO Tools

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Accessories ▸ *WINSTA*® MINI ▸ 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 carrier; 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.

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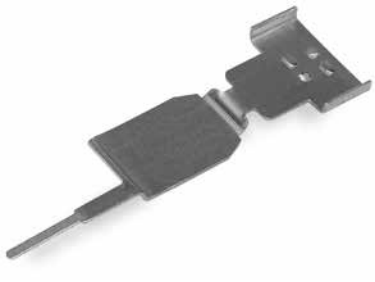
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

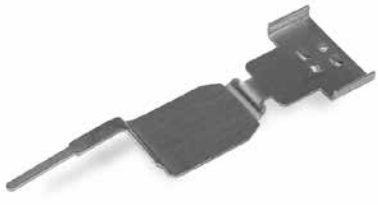
Accessories ▸ *WINSTA*® MINI ▸ 890 Series

Shield connecting plate; for 3-pole plugs and sockets		
	Item No.	PU
	890-523	50

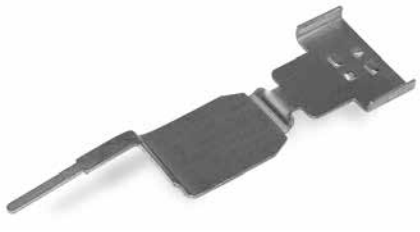
Shield connecting plate; for socket; 4-pole		
	Item No.	PU
	890-524	50



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

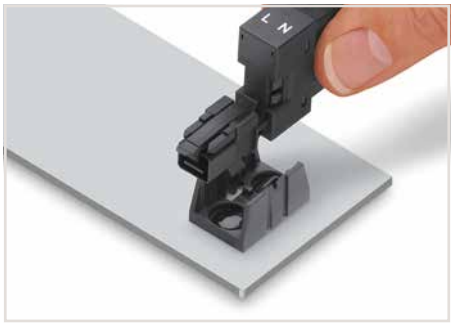
Accessories ▸ *WINSTA*® MINI ▸ 890 / 891 Series

Mounting plate for distribution connector; 2-pole		
Color	Item No.	PU
black	890-1622	100
white	890-1672	100

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.

Mounting pin; for mounting plates; 5 mm Ø; 0.2 … 1.2 mm plate thickness		
Color	Item No.	PU
black	890-601	250

Secure the mounting plate via pins.

Protective cap; type 1; for 890 series: 2- and 3-pole for 891 series: 2- and 3-pole		
Color	Item No.	PU
red	897-2001	25

Protective cap; type 2; for 890 series: 4- and 5-pole for 891 series: 4- and 5-pole		
Color	Item No.	PU
red	897-2003	25

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

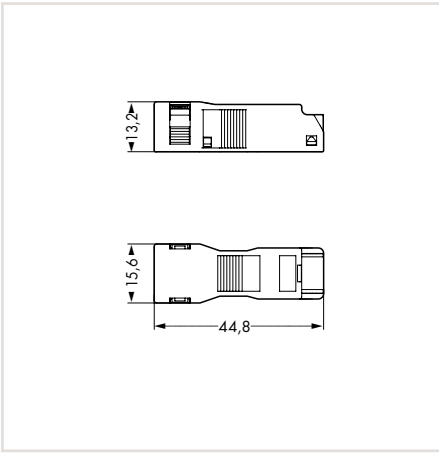
Accessories ▸ *WINSTA*® MINI ▸ 890 Series

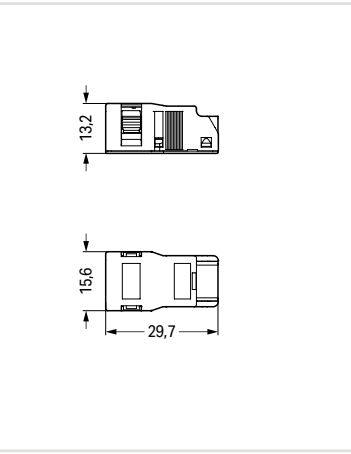
Strain relief housing;
for 3.8 … 8.2 mm cable diameter; 32 mm strip length

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

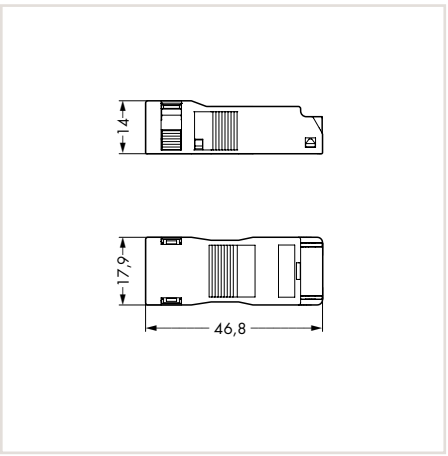




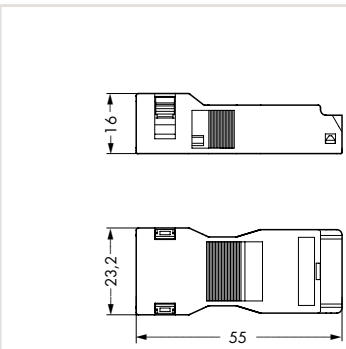
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MINI ▸ 890 Series

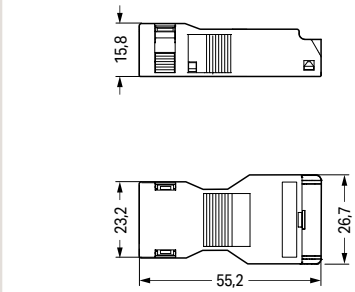
Strain relief housing; for 4.5 … 10 mm cable diameter; 40 mm strip length		
Color	**Item No.**	PU
black	**890-503**	50
white	**890-513**	50



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



8

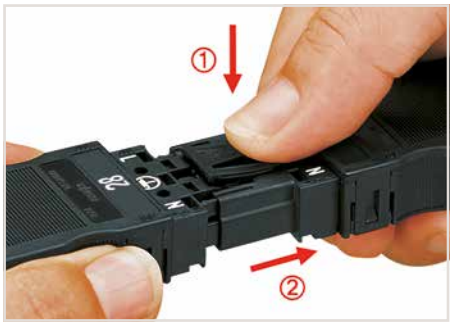
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 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; oversized; tool operated		
Color	Item No.	PU (SPU)
gray	770-140	100(25)

Coding pin; for plug (A- and B-coding)		
Color	Item No.	PU
gray	770-401	100

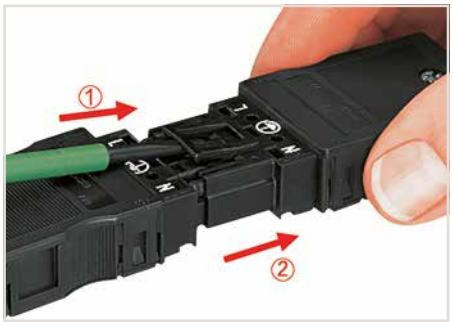


Locking lever, manually operated:
- Push on locking lever
- Pull the connectors apart

Snap-in connector with protruding locking lever

Insert coding pin into the plug.

Locking lever; for flying leads; tool operated		
Color	Item No.	PU (SPU)
black	770-111	100(25)
white	770-131	100(25)



Locking lever, tool operated:
- Unlatch locking lever
- Pull the connectors apart

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

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Accessories ▸ *WINSTA*® MIDI ▸ 770, 771 Series

Mounting carrier; 2- to 5-pole; for flying leads		
Color	Item No.	PU
black	770-310	100

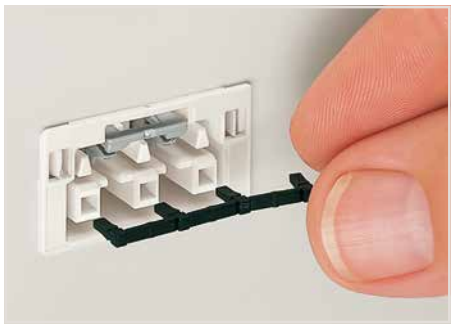
Lockout cap; for socket; separable; 12-pole		
Color	Item No.	PU
black	770-201	100
white	770-221	100

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



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.

8

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

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

Protective cap; type 2;
for 770 series: 2-pole
for 771 series: 2- and 3-pole

Color	Item No.	PU
red	897-2003	25

Protective cap; type 4;
for 770 series: 4- and 5-pole
for 771 series: 5-pole

Color	Item No.	PU
red	897-2005	25

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

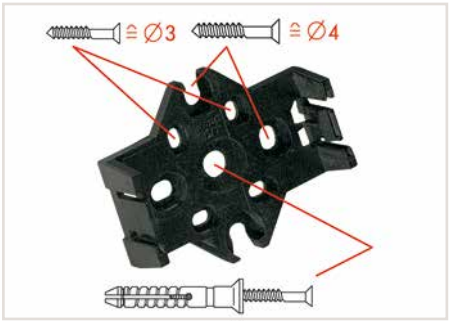
Color	Item No.	PU
black	770-624	25
white	770-674	25

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.

8

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

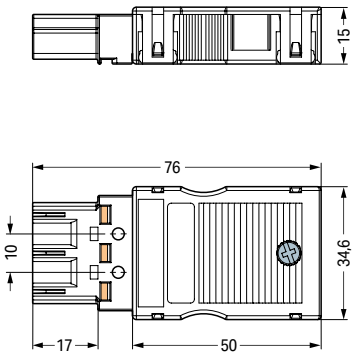
Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

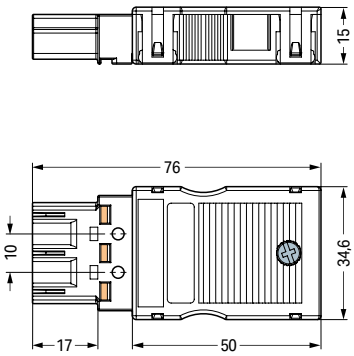
Shorting plug; S-coding; brown plug with assembled strain relief housing and bridge

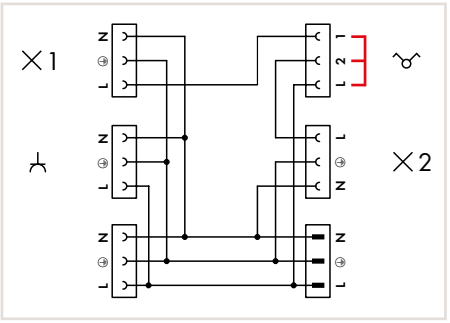
Color/Marking	Item No.	PU
	770-1373/146-000	50
	770-1373/147-000	50
	770-1373/148-000	50
	770-1373/149-000	50

Shorting plug; A-coding; black plug with assembled strain relief housing and bridge

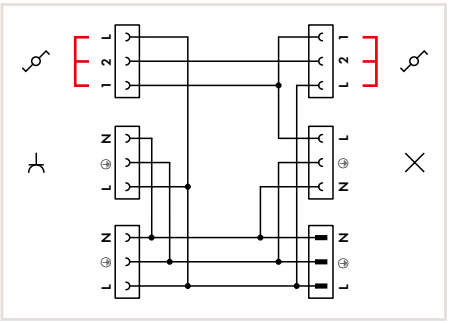
Color/Marking	Item No.	PU
	770-113/147-000	50



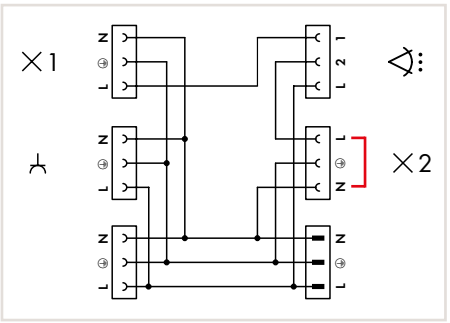




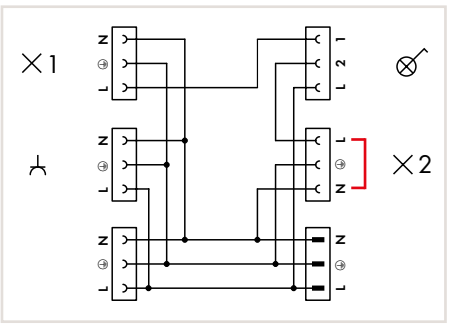
Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug.



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.

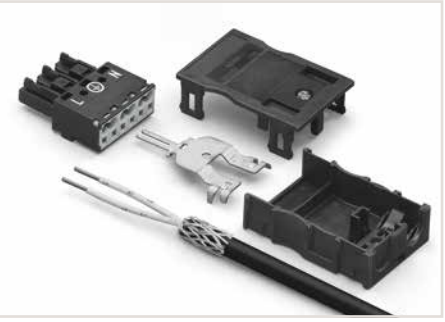
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

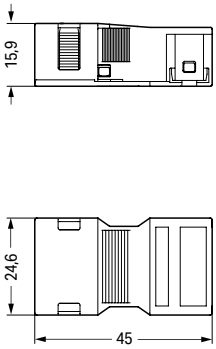
Shield connecting plate; for 3-pole plugs and sockets		
	Item No.	PU
	770-523	25

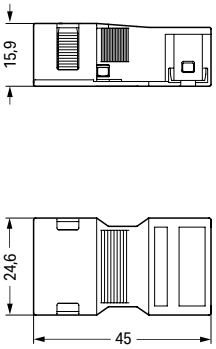
Strain relief housing; for one cable; 5 … 9 mm cable diameter; 35 mm strip length		
Color	**Item No.**	PU
black	**770-502/042-000**	50
white	**770-512/042-000**	50

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



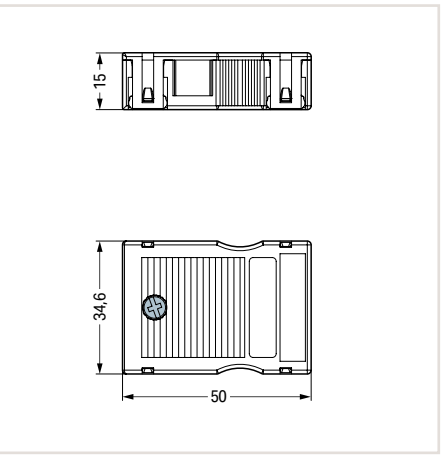


8

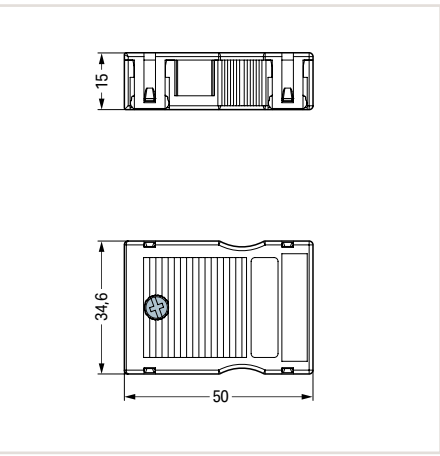
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
3-Pole

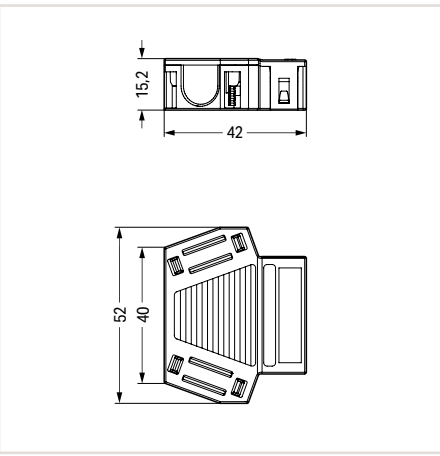
Strain relief housing; for two cables; for 4.5 … 8 mm cable diameter; 55 mm strip length		
Color	Item No.	PU
black	770-503/023-000	50
white	770-513/023-000	50



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

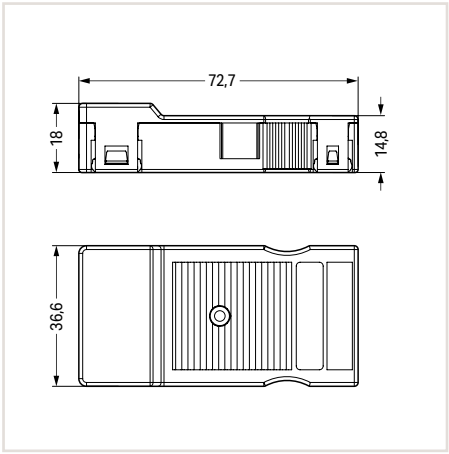


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
3-Pole

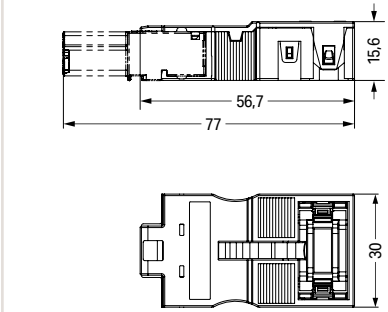
Strain relief housing; for 4 mm² cables; for 1 cable; 9 … 13 mm cable diameter; 71 mm strip length

Color	Item No.	PU
black	770-503/021-000	50
white	770-513/021-000	50



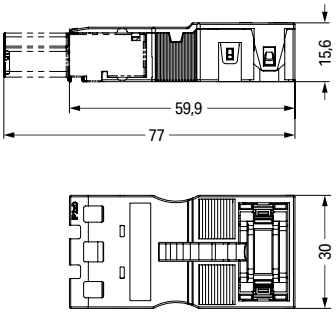
Strain relief housing; for quick assembly; for one cable; 7 … 11.5 mm cable diameter; 48 mm strip length

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

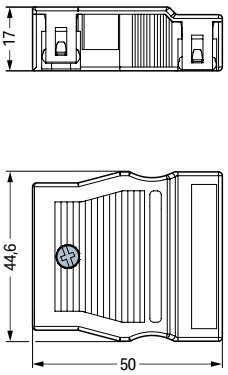
Color	Item No.	PU
black	770-503/038-000	50
white	770-513/038-000	50



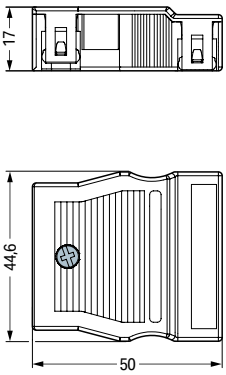
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 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

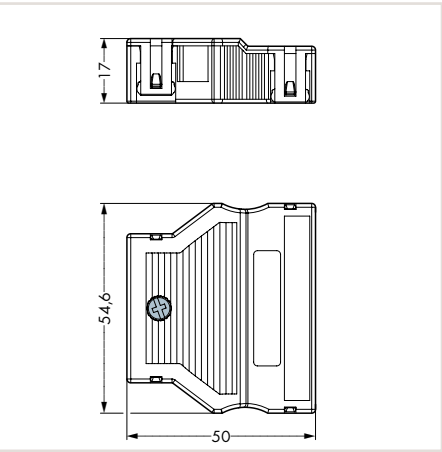


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
5-Pole

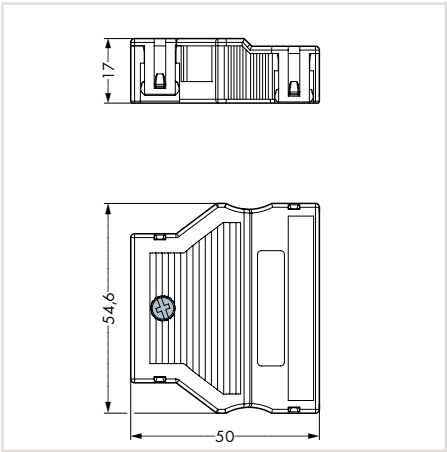
Strain relief housing; for two cables; for 5 … 9 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-505/023-000	25
white	770-515/023-000	25



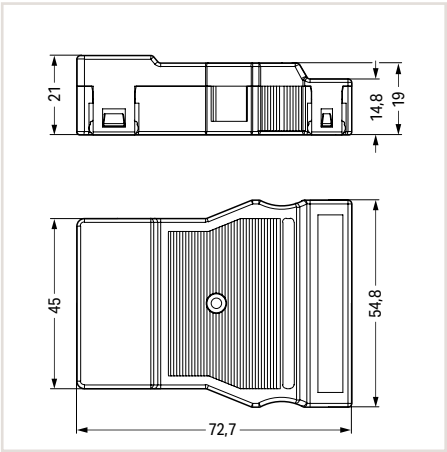
Strain relief housing; for two cables; for 9 … 13 mm cable diameter; 55 mm strip length

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



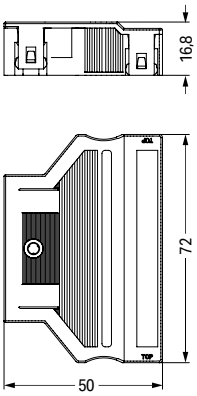
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 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



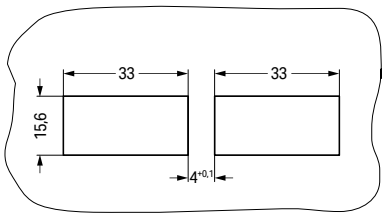
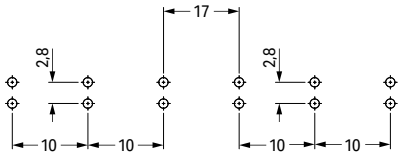


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Using a 6-pole strain relief housing with snap-in connectors requires the cutout dimensions shown above.

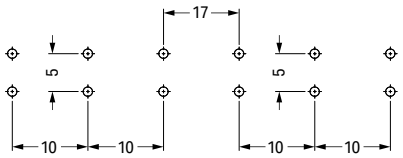
Straight design



Drilled hole diameter: 1.5$^{+0.1}$ mm

Using a straight, 6-pole PCB connector requires the hole patterns shown above.

Angled design



Drilled hole diameter: 1.5$^{+0.1}$ mm

Using an angled, 6-pole PCB connector requires the hole patterns shown above.

8

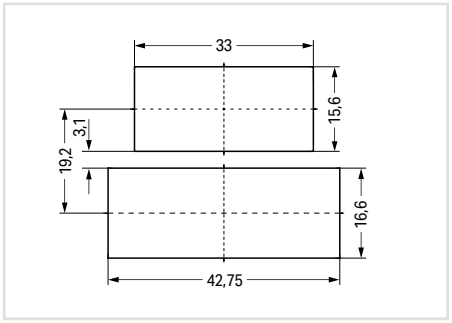
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
7-Pole

Snap-on type strain relief housings for:
- 3-pole socket or plug
- 4-pole socket or plug

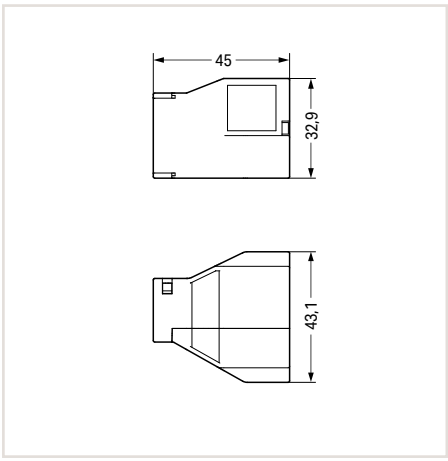
Strain relief housing; for one cable; 8 … 15 mm cable diameter; 55 mm strip length

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.

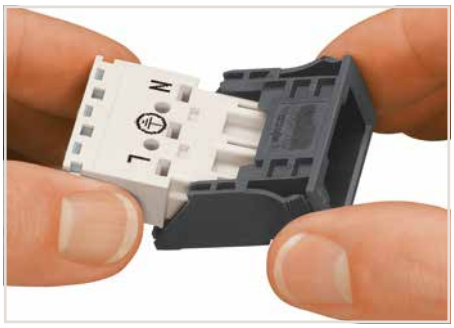
Flying leads
(NOTICE: Only use locking levers on upper position)



Flying leads

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

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series



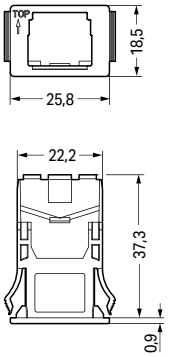
Insert the socket or plug into the frame (observe the "TOP" marking on the frame!), then snap the assembled unit into the cutout (example shows a 3-pole connector).

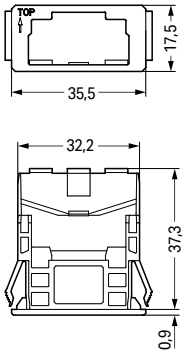
Snap-in frame; for 2-pole sockets and plugs; for 1 … 3 mm plate thickness

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





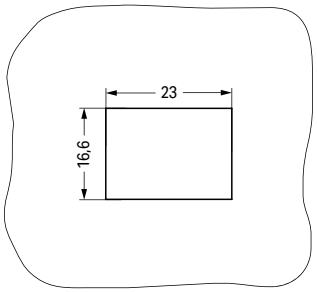


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

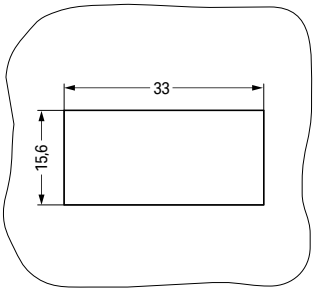


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

8

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

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

Snap-in frame; for 4-pole sockets and plugs; for 1 … 3 mm plate thickness

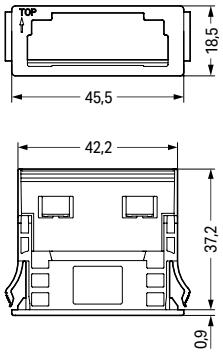
Color	Item No.	PU
black	770-319	100
white	770-339	100

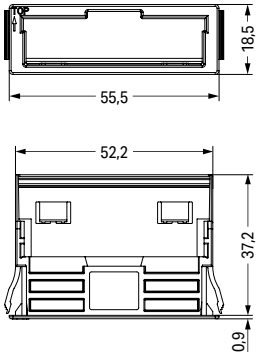
Snap-in frame; for 5-pole sockets and plugs; for 0.5 … 2 mm plate thickness

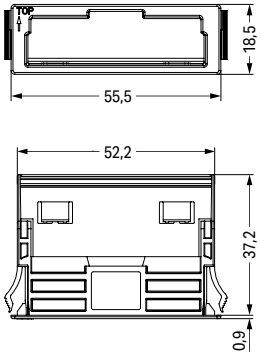
Color	Item No.	PU
black	770-321	100
white	770-341	100

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







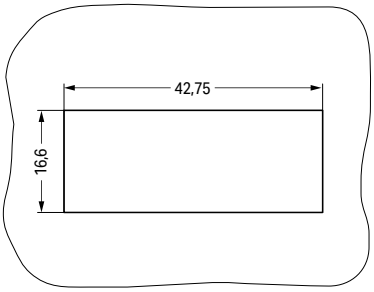


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

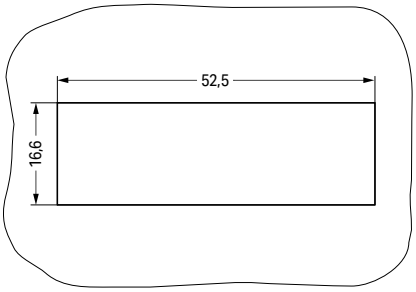


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

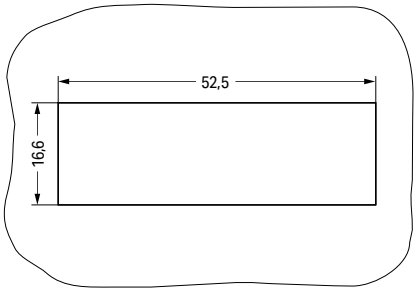


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

8

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

Accessories ▸ *WINSTA*® RD ▸ 774 Series

Protective cap; type 1; for 774 series: 3- and 4-pole		
Color	**Item No.**	PU
red	**897-2001**	25

8

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

Accessories ▸ *WINSTA*® Boxes ▸ 899 Series

Adapter for distribution boxes; for *WINSTA*® MINI connectors; 2-pole		
Color	**Item No.**	PU
gray	**890-302**	50

Mounting pin for distribution boxes; for *WINSTA*® MIDI connectors		
Color	**Item No.**	PU
gray	**770-630**	100

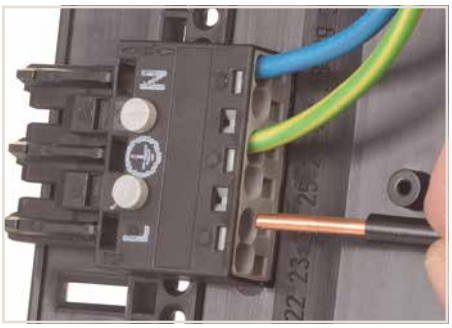
Mounting plate; for distribution boxes		
	Item No.	PU
	770-680	25

Adapter for distribution boxes; for *WINSTA*® MINI connectors; 3-pole		
Color	**Item No.**	PU
gray	**890-303**	50

Adapter for distribution boxes; for *WINSTA*® MINI connectors; 4-pole		
Color	**Item No.**	PU
gray	**890-304**	50

Adapter for distribution boxes; for *WINSTA*® MINI connectors; 5-pole		
Color	**Item No.**	PU
gray	**890-305**	50

Using adapters to install *WINSTA*® MINI connectors in a distribution box.



Using mounting pins to secure *WINSTA*® MIDI connectors in a distribution box .

Wall-mounted *WINSTA*® Distribution Box

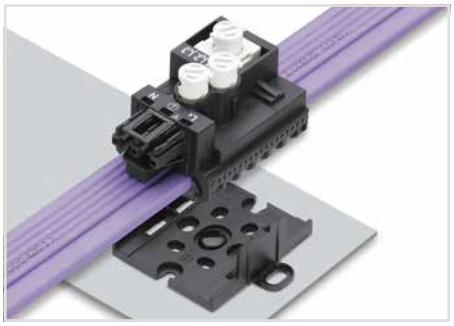
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 772 Series

Mounting plate; for supply and tap-off modules		
Color	Item No.	PU
black	772-260	10

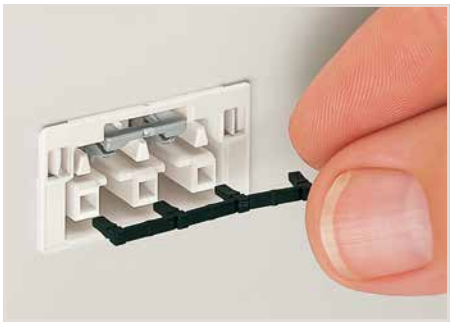
Mounting pin; for mounting plates; 6 mm Ø; 1 … 2.5 mm plate thickness		
Color	Item No.	PU
black	770-601	250

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.

8

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

Accessories ▸ *WINSTA*® IDC ▸ 895 Series

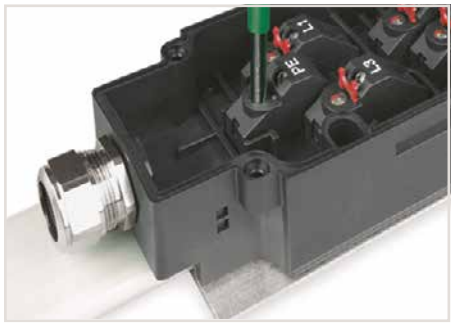
Cable fitting; M 40 x 1.5; clamping range: 20 … 26 mm Ø; with O-ring gasket; plastic		
Color	Item No.	PU
black	895-1601	5

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

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

8

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

Fit end cover to each flat cable end.

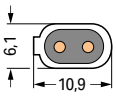
Insulating tape; for 2 x 1.5 mm² to 5 x 10 mm² flat cables		
Color	**Item No.**	PU
black	**897-900**	10

Insulating tape; for 5 x 16 mm² flat cables		
Color	**Item No.**	PU
black	**897-901**	10

Use insulating tape to seal the contact holes in the flat cable after removing a module.

Flat cable; 2 x 1.5 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-121**	1

Flat cable; 2 x 1.5 mm²; halogen-free		
Color	**Item No.**	PU
light gray	**897-122**	1



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

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

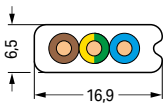
Flat cable; 3 x 2.5 mm²; PVC		
Color	Item No.	PU
light gray	897-231	1

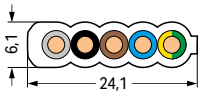
Flat cable; 5 x 2.5 mm²; PVC		
Color	Item No.	PU
light green	897-251	1

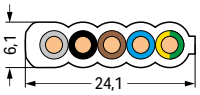
Flat cable; 5 x 4 mm²; halogen-free		
Color	Item No.	PU
black	897-453	1

Flat cable; 3 x 2.5 mm²; halogen-free		
Color	Item No.	PU
light gray	897-232	1

Flat cable; 5 x 2.5 mm²; halogen-free		
Color	Item No.	PU
light green	897-252	1







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

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

Flat cable; 5 x 2.5 mm² + 2 x 1.5 mm²; PVC		
Color	**Item No.**	PU
violett	**897-261**	1

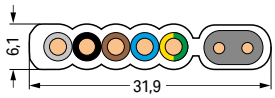
Flat cable; 5 x 10 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-1051**	1

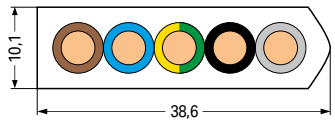
Flat cable; 5 x 16 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-1651**	1

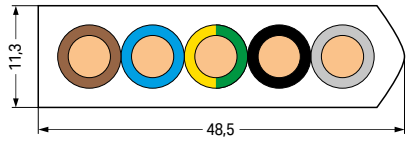
Flat cable; 5 x 2.5 mm² + 2 x 1.5 mm²; halogen-free		
Color	**Item No.**	PU
violett	**897-262**	1

Flat cable; 5 x 10 mm²; halogen-free		
Color	**Item No.**	PU
light gray	**897-1052**	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

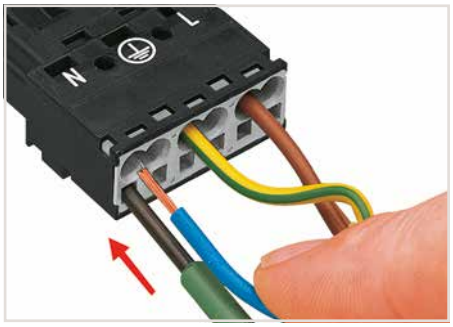
Operating Tools ▸ *WINSTA*®

Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade		
Color	**Item No.**	PU
green	**210-719**	50

Operating tool set; with a partially insulated shaft; includes 210-719, 210-720 and 210-721		
Color	**Item No.**	PU
green	**210-722**	1

Operating tool with a partially insulated shaft; type 2; (3.5 x 0.5) mm blade		
Color	**Item No.**	PU
green	**210-720**	50

Operating tool with a partially insulated shaft; type 3; (5.5 x 0.8) mm blade		
Color	**Item No.**	PU
green	**210-721**	25



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

8

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		
Color	**Item No.**	PU
green	**210-636**	50

Operating tool; short version; (6.5 x 1.4) mm		
Color	**Item No.**	PU
green	**210-635**	30

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 2-pole		
Color	**Item No.**	PU
green	**890-382**	50

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 3-pole		
Color	**Item No.**	PU
green	**890-383**	50

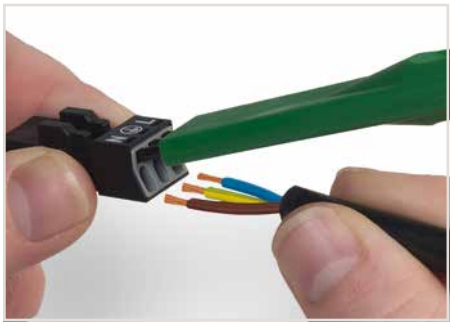
Operating tool; partially insulated; for *WINSTA*® MINI connectors; 4-pole		
Color	**Item No.**	PU
green	**890-384**	50

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 5-pole		
Color	**Item No.**	PU
green	**890-385**	50

Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 2-pole		
Color	**Item No.**	PU
green	**770-382**	50

Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 3-pole		
Color	**Item No.**	PU
green	**770-383**	50

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

Item-Specific Accessories

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

Accessories

Spare inside blade

206-1418 3

Wire stripper "Quickstrip Vario"; 0.03 … 16 mm² / 34 … 6 AWG; with wire cutter

Item No.	Pack. Unit
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

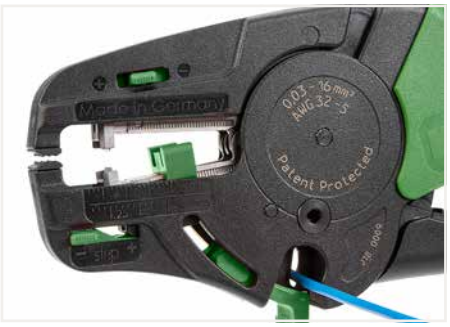
Spare cut protector

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

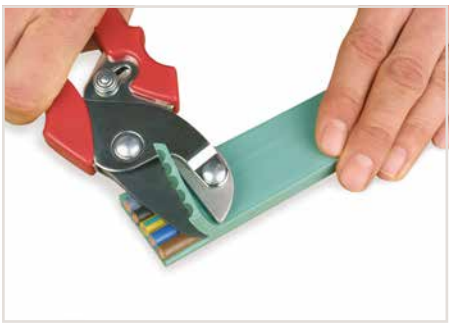
Cable cutter; with partially insulated handles; for 5 x 6 mm² flat cables		
Color	**Item No.**	PU
red	**897-960**	1

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.

8

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.

8

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

smartSCRIPT marking software;
visit www.wago.com/smartprinter

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

8

Technical Section

Technical Section

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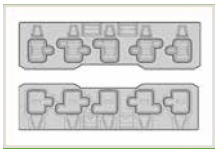
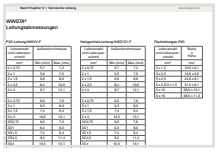
	Coding Overview Pole Markings	408 410
	Cable Dimensions	412
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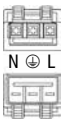
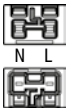
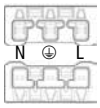
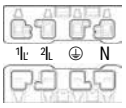
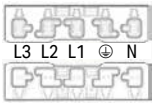
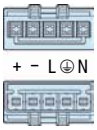
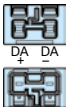
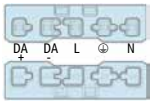
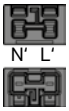
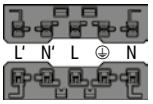
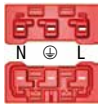
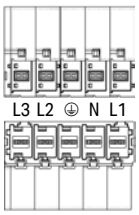
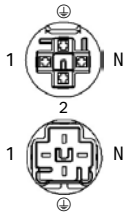
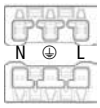
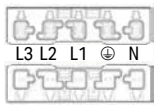
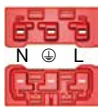
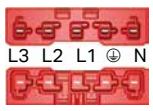
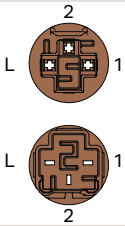
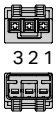
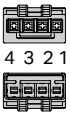
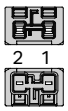
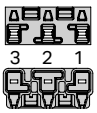
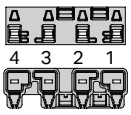
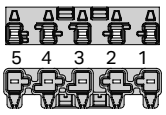
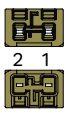
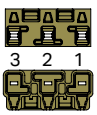
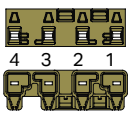
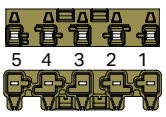
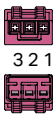
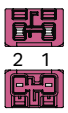
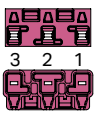
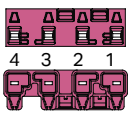
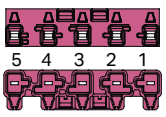
WINSTA®
Coding Configurations
770, 771, 772, 831, 890, 891, 893, 894 and 899 Series

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								

9

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							

WINSTA® MINI and MIDI B-Coding

Description	*WINSTA*® MINI				*WINSTA*® MIDI / *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 and *WINSTA*® MIDI 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 variants can mate with each other. The variable coding system provides clear circuit identification. All 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 and MIDI ▸ Coding: B
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, plug, 4-pole, light green, with U- U+ DI AI pole marking 770-274/072-000

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		
PTB	Physikalisch Technische Bundesanstalt Bundesrepublik Deutschland Ex e II http://www.ptb.de	PTB
c UL us	Underwriters Laboratories USA http://www.ul.com	cURus-EX
KEMA KEUR	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

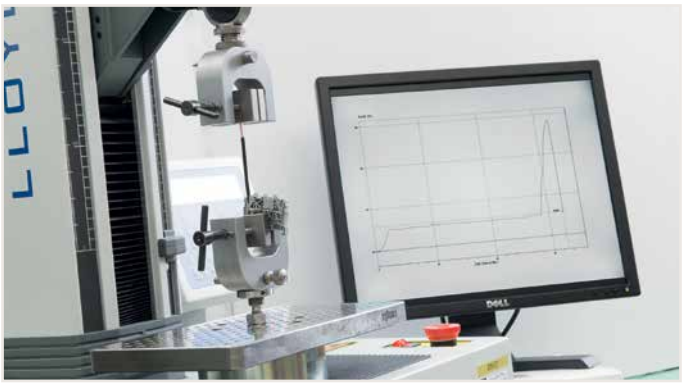
To use terminal blocks globally, they must satisfy certain standards and obtain test certificates. These requirements apply to every manufacturer. WAGO also conducts its own tests to increase standards and offer greater reliability with its products. Products undergo a full range of mechanical, electrical 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.

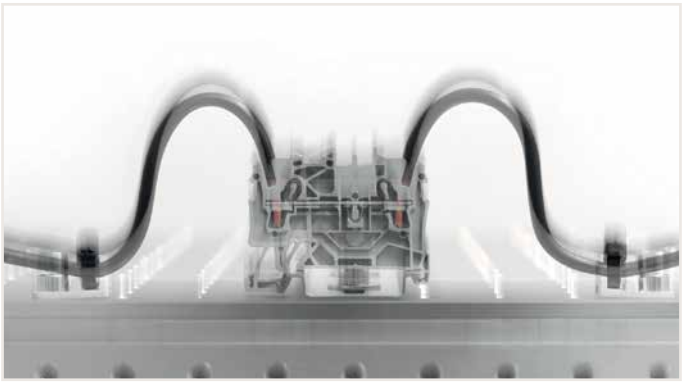
Pull-Out Test (per EN 60947-7-1, EN 60998-2-2)

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 Prüflaboratiorium WAGO Kontakttechnik GmbH & Co. KG
Hansastraße 27, 32423 Minden

die Kompetenz nach DIN EN ISO/IEC 17025:2018 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 24.05.2019 mit der Akkreditierungsnummer D-PL-19704-01. Sie besteht aus diesem Deckblatt, der Rückseite des Deckblatts und der folgenden Anlage mit insgesamt 08 Seiten.

Registrierungsnummer der Urkunde: D-PL-19704-01-00

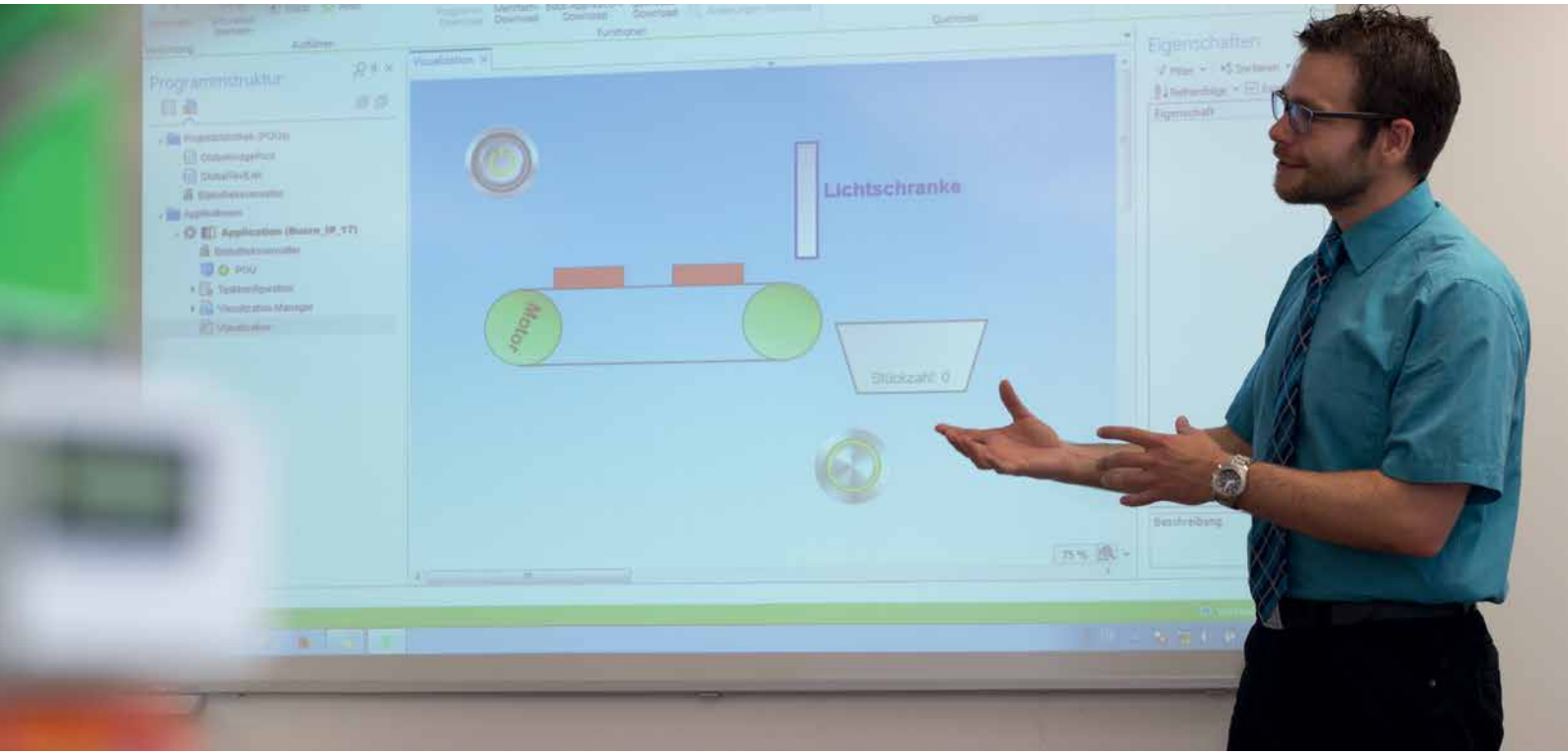
Frankfurt am Main, 24.05.2019

Im Auftrag Dipl.-Ing. (FH) Ralf Egner
Abteilungsleiter

Die Urkunde samt Urkundenanlage gibt den Stand zum Zeitpunkt des Ausstellungsdatums wieder. Der jeweils aktuelle Stand des Geltungsbereiches der Akkreditierung ist der Datenbank akkreditierter Stellen der Deutschen Akkreditierungsstelle GmbH (DAkkS) zu entnehmen. https://www.dakks.de/content/datenbank-akkreditierter-stellen

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

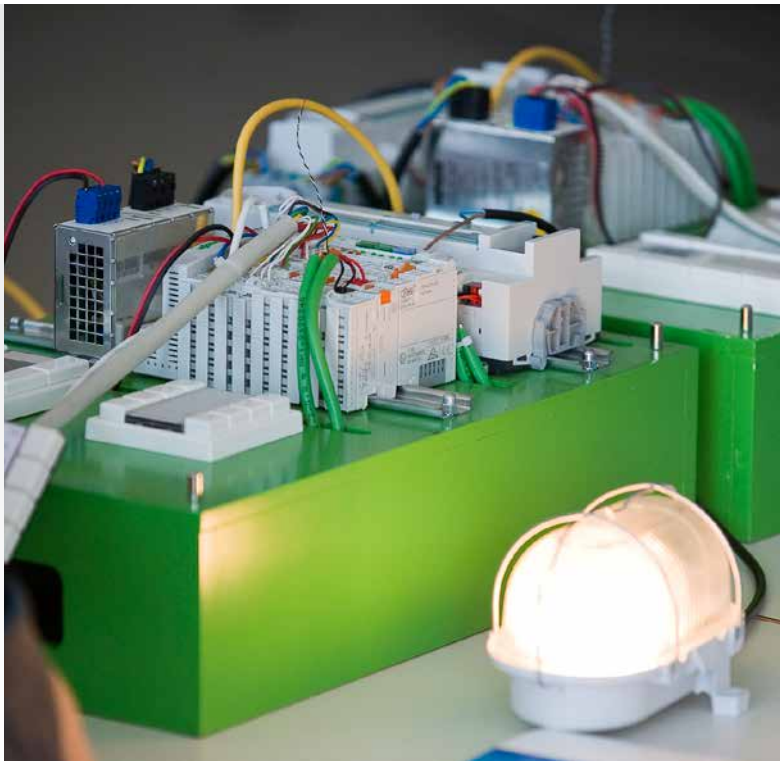
Experience has shown that practice makes perfect. This is why the focus of every WAGO training seminar is on practical, hands-on learning.

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

9

Success for Generations: Environmental Protection at WAGO

At WAGO, we see environmental protection not only as compliance with environmental protection requirements.

As a growing company, our commitment to the environment drives our efforts to deliver new ideas, new concepts and new technologies along the product lifecycle. Here our employees and business partners support us.

Corporate environmental protection

Business growth also leads to higher consumption of resources. We have realized that the economic success of a company also depends on the achievement of environmental goals.
As a manufacturing company, we therefore support developments that make a contribution to environmental protection. In doing so, we always pursue individual material flows along the value chain, because we see resources, product design, production and consumption as a whole.
With our environmental management system certified in accordance with DIN EN ISO 14001, we ensure that the required national and international requirements are complied with in all areas of the company and that the concept of environmental protection is practiced in all corporate processes. In addition, WAGO is pursuing further efforts in the field of environmental protection that go far beyond the requirements of ISO
Some examples include the recycling of plastics, resource savings on product and packaging materials, the use of recycled paper throughout the company, the introduction of e-filling stations and the use of waste heat from production processes.

Product-related environmental protection

Product-related environmental protection is an important part of sustainable environmental management at WAGO. Ensuring compliance with substance bans / restrictions worldwide, such as: As REACH, RoHS has a high priority.

RoHS – Restriction of the use of certain Hazardous Substances

It is an EC directive that regulates the use of certain hazardous substances in electrical and electronic equipment. In addition to reducing the harmful effects on humans and the environment, legislation aims to improve recycling possibilities. WAGO closely monitors the development regarding RoHS and reacts promptly to specifications accordingly. For more information about RoHS please contact us via ehs-product-compliance@wago.com.

RoHS ✓ Compliant

Success for Generations: Environmental Protection at WAGO

REACH – Registration, Evaluation and Authorisation of Chemicals

On 01.06.2007 the regulation (EC) no. 1907/2006 (REACH regulation) came into force and since then forms a valid legal basis for all EU member states. To protect human health and the environment, this EU Chemicals Regulation aims to classify and identify all chemicals, including their effects.

The REACH Regulation creates specific obligations for each actor in the supply chain. The products manufactured by WAGO are to be designated as products in the sense of the regulation. Since products are not subject to registration, WAGO usually assumes the role of the downstream user in the supply chain. WAGO therefore has an obligation to provide information along the supply chain in accordance with REACH Article 33. WAGO is naturally aware of this obligation.

For more information about our reporting requirements according to REACH Article 33 please visit our website "REACH SVHC Declaration" via www.wago.com/svhc

BOMcheck

European legislation such as REACH or RoHS requires the provision of information on restricted ingredients in products. This information must be shared by manufacturers and suppliers in the supply chain. WAGO meets this challenge in product-related environmental protection successfully and efficiently with BOMcheck.

BOMcheck is a centralized database for the declaration of ingredients. It is a compliance tool specifically designed to enable manufacturers and suppliers to produce their substance declarations under REACH, RoHS, and other restrictions on ingredients in an efficient and structured manner. This Internet database system increases data quality in the area of product-related environmental protection.

Further information on BOMcheck can be found at the following link: http://www.bomcheck.net

WEEE – Waste of Electrical and Electronic Equipment

The WEEE Directive 2012/19/EU regulates the take-back and recycling of electrical and electronic equipment. Manufacturers and importers of electrical and electronic equipment are obliged to register as a `WEEE producer´ and to comply with the reporting and take-back obligations. As a matter of course, we have taken compliance with legal WEEE requirements very seriously all the time - in our own interest as well as in the well-understood interest of our customers.
Only some of our products fall within the scope of the WEEE Directive and the Member State's implementation laws. These products are WEEE-compliant marked by us, as far as such a marking is legally required (which is not required for the B2B area Europe-wide).
For more information about WEEE please contact us via ehs-product-compliance@wago.com.

Less is more: our packaging

Recycling is the basis for choosing our packaging materials. All packaging used by WAGO can be recycled in the economic cycle without further pretreatment. In addition to the aspect of recycling, emphasis is placed on resource conservation. For this reason, our cardboard boxes consist of 80% recycled paper and are marked with the Resy symbol. The Resy symbol guarantees compliance with the Packaging Ordinance for transport packaging. The labeling is partly done by perforation. This process enables the colorless printing of WAGO cardboard boxes. This avoids unnecessary environmental pollution.

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