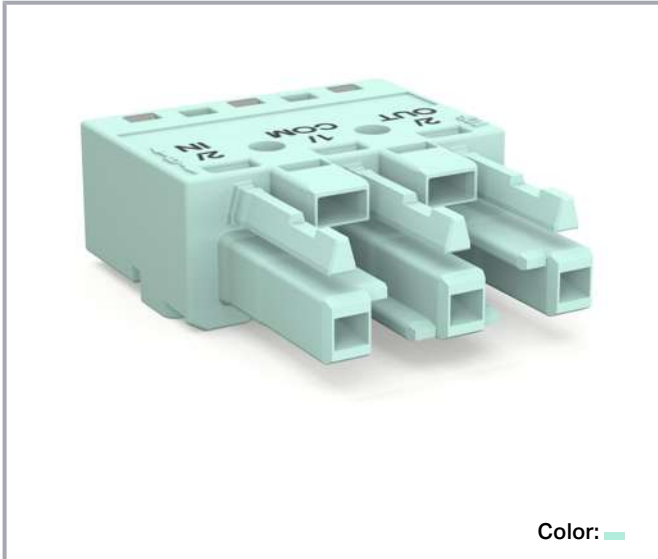
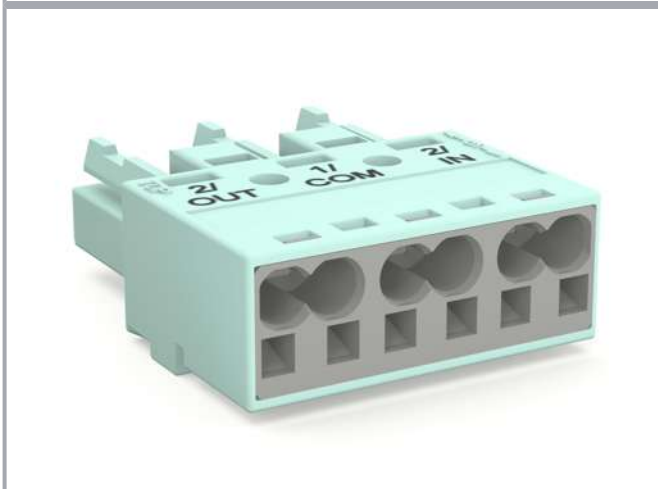
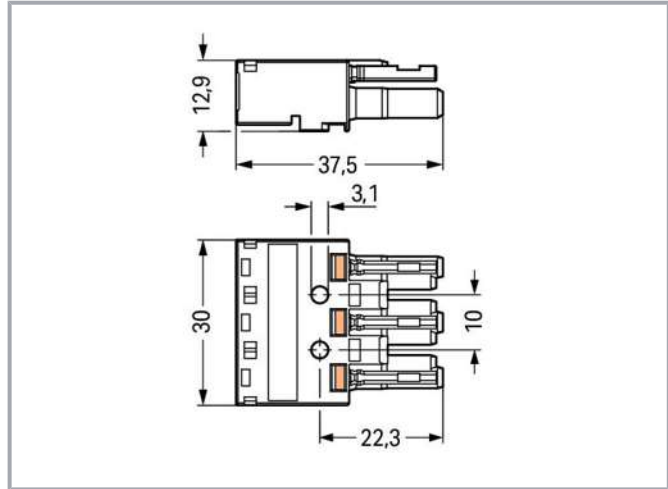


Data sheet | Item number: 770-1243/076-000
Socket; 3-pole; Cod. B; 4,00 mm²; light turquoise

www.wago.com/770-1243_076-000



Color: ■



Item description

Female connector/socket *WINSTA*® MIDI 3-pole

The *WINSTA*® MIDI female connector/socket with protection type IP20 ensures rapid, correct installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in next to

Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
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no time.

The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20. That results in the fact that users' fingers will never come into contact with energised elements. B coding enables the *WINSTA*® MIDI pluggable installation connectors to be used for application control in the domains of automation, mechanical engineering and robotics. This pluggable installation connector is designed for a current load of up to 25 A. As a result, it can also be used for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the built-in test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

Lower costs through fast commissioning and elimination of service expenses – solutions from *WINSTA*® MIDI

The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Choose durability and quality – the *WINSTA*® MIDI pluggable installation connector with protection against mismatching from WAGO makes the electrical installation of electrical components visibly easier.

- effective protection against mismatching
- for automation controllers
- for automation controllers
- exact dimensions
- fast, secure installation

Data

Electrical data

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
----------------------------	--

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	250 V
Rated surge voltage (III/3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

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

Rated voltage UL 1977	600 V
Rated current UL 1977	23 A

Connection data

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	4 mm ²
Solid conductor	0.5 ... 4 mm ² / 20 ... 12 AWG
Solid conductor; push-in termination	1.5 ... 4 mm ² / 16 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm ² / 20 ... 14 AWG
Fine-stranded conductor	0.5 ... 4 mm ² / 20 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ² / 20 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm ² / 16 AWG
Strip length	9 mm / 0.35 inch
Number of poles	3
Conductor entry direction to mating direction	0°

Physical data

Height	12.9 mm / 0.508 inch
Depth	37.5 mm / 1.476 inch

Mechanical data

Application	Measurement and regulation technology
Retention force of a plug-in connection	Locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Protection class	IP20; When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Subject to changes. Please also observe the further product documentation!



Plug-in connection

Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	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
Locking lever	Can be retrofitted
Hinweis zur Verriegelung	All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Material data

Color	light turquoise
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.035 MJ
Weight	9.6 g

Environmental requirements

Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C
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Commercial data

PU (SPU)	100 Each
Packaging type	box

Approvals / Certificates

Ship Approvals




Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

Subject to changes. Please also observe the further product documentation!

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Counterpart

	<p>Item no.770-974/076-000 Distributor for status queries; 2-pole/3-pole; Cod. B; 1 input; 2 outputs; 3-pole output for status queries; light turquoise</p>	www.wago.com/770-974/076-000
	<p>Item no.770-1253/076-000 Plug; 3-pole; 4,00 mm²; light turquoise</p>	www.wago.com/770-1253/076-000
	<p>Item no.770-977/076-000 Distributor for status queries; 2-pole/3-pole; Cod. B; 1 input; 2 outputs; 3-pole output for status queries; 3 locking levers; light turquoise</p>	www.wago.com/770-977/076-000

Required accessories




Locking levers

Locking device

	<p>Item no.: 770-121 Locking lever; for flying leads; for manual operation; white</p>	www.wago.com/770-121
	<p>Item no.: 770-131 Locking lever; for flying leads; for tool operation; white</p>	www.wago.com/770-131
	<p>Item no.: 770-101 Locking lever; for flying leads; for manual operation; black</p>	www.wago.com/770-101
	<p>Item no.: 770-111 Locking lever; for flying leads; for tool operation; black</p>	www.wago.com/770-111

Strain relief



Strain relief housing

	<p>Item no.: 770-503 Strain relief housing; 3-pole; for 2 cables; 8.0 ... 11.5 mm; 55 mm; black</p>	www.wago.com/770-503
	<p>Item no.: 770-503/023-000 Strain relief housing; 3-pole; for 2 cables; 4.5 ... 8.0 mm; 55 mm; black</p>	www.wago.com/770-503/023-000
	<p>Item no.: 770-513 Strain relief housing; 3-pole; for 2 cables; 8.0 ... 11.5 mm; 55 mm; white</p>	www.wago.com/770-513
	<p>Item no.: 770-513/023-000 Strain relief housing; 3-pole; for 2 cables; 4.5 ... 8.0 mm; 55 mm; white</p>	www.wago.com/770-513/023-000







Subject to changes. Please also observe the further product documentation!

Optional accessories



Cover

	Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets; black	www.wago.com/770-201
	Item no.: 770-221 Lockout cap; for socket; 12-pole; separable; white	www.wago.com/770-221

Marking accessories

	Item no.: 770-450/000-002 Marker card; Plastic; yellow	www.wago.com/770-450/000-002
	Item no.: 770-450/000-001 Marker card; Plastic; green	www.wago.com/770-450/000-001
	Item no.: 770-450/000-005 Marker card; Plastic; red	www.wago.com/770-450/000-005
	Item no.: 770-450 Marker card; Plastic; white	www.wago.com/770-450
	Item no.: 770-450/000-006 Marker card; Plastic; blue	www.wago.com/770-450/000-006
	Item no.: 770-450/000-012 Marker card; Plastic; orange	www.wago.com/770-450/000-012

Mounting

	Item no.: 770-318 Snap-in frame; 3-pole; 1.0 ... 3.0 mm; black	www.wago.com/770-318
	Item no.: 770-338 Snap-in frame; 3-pole; 1.0 ... 3.0 mm; white	www.wago.com/770-338

Tools

Subject to changes. Please also observe the further product documentation!

Operating tool



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Downloads

Documentation

Bid Text

770-1243/076-000 X81 - Datei	2019 Feb 19	xml 3.2 kB	Download
770-1243/076-000 doc - Datei	2018 Sep 25	doc 25.1 kB	Download

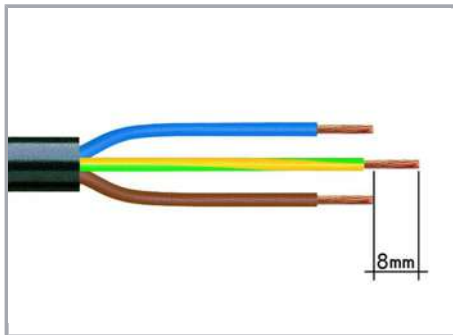
Environmental Product Compliance

Compliance Search

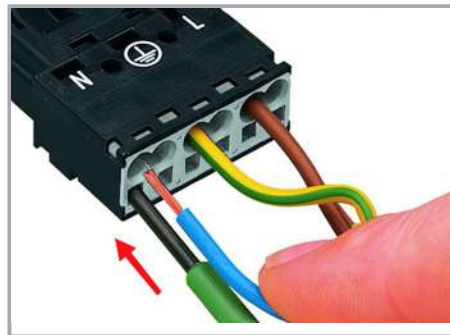
Environmental Product Compliance 770-1243/076-000 Socket; 3-pole; Cod. B; 4,00 mm ² ; light turquoise	URL	Download
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Installation Notes

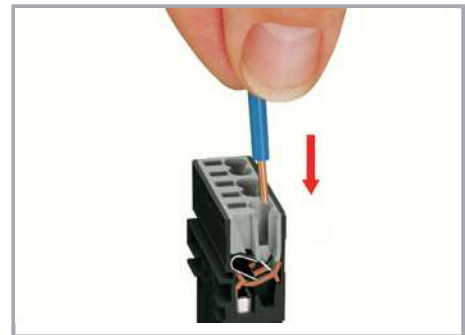
Conductor termination



1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

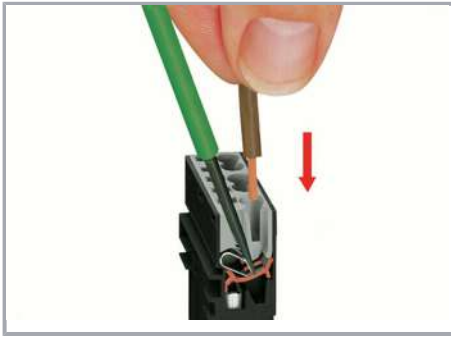


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



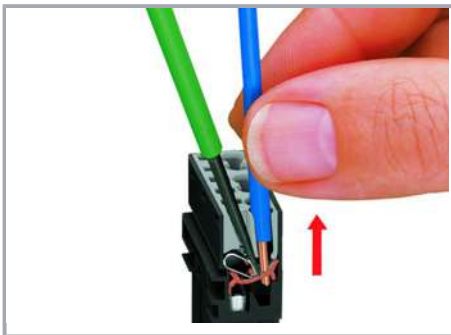
Insert the stripped solid conductor until it hits the backstop.

Subject to changes. Please also observe the further product documentation!



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

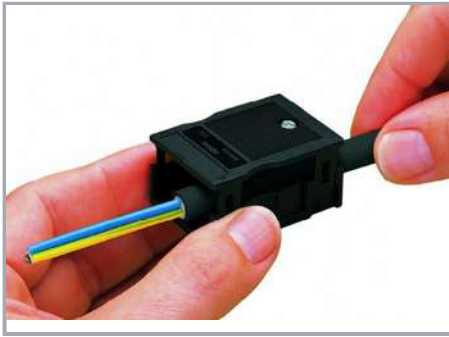
Conductor removal



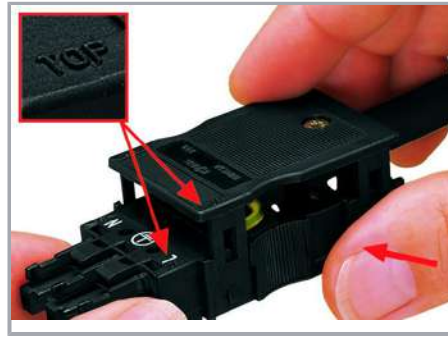
To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

Installation

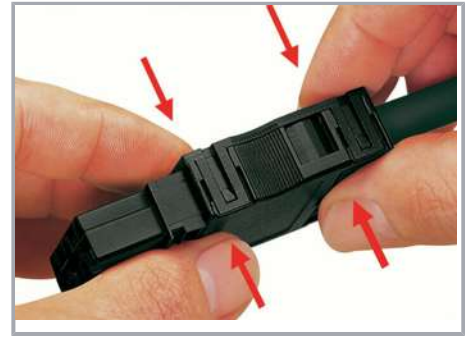
Subject to changes. Please also observe the further product documentation!



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.



Latch the strain relief housing onto the plug /socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.

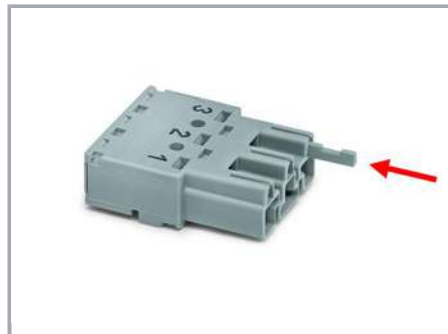


Tighten strain relief screw with screwdriver (2.5 mm blade width).

Coding



Simply cut off the coding pin from the socket.



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

Mismatching protection

Subject to changes. Please also observe the further product documentation!

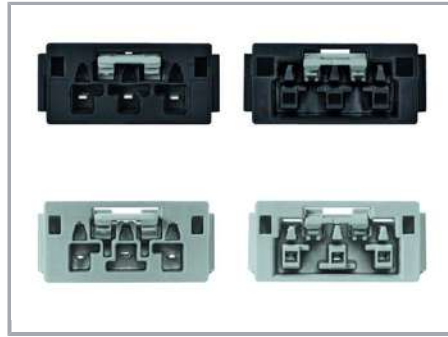


B-coded connectors with different colors can be plugged together.

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.



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



Easy circuit identification via different marking and colors

Product family

WINSTA® MIDI

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!