Socket; 3-pole; Cod. B; 4,00 mm²; light green

www.wago.com/770-263

WAGO

Color: ▬

Item description

Female connector/socket WINSTA® MIDI rated current 25 A

The WINSTA® MIDI female connector/socket 3-pole supports fast, reliable installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in seconds. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Solutions like the WINSTA® MIDI pluggable installation connectors with B coding are appropriate for applications involving process control, such as for lighting or within data networks. This pluggable installation connector is designed for a voltage load of up to 25 A. As a result, it can also be used for high power loads. Our WINSTA® MIDI product line guarantees flexibility for the electrical installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers flexibility and customization for meeting all installation requirements.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also cut installation expenses without compromising safety and quality: with protection type

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

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

IP20 reduces the need for servicing and prevents unnecessary downtime.

-
- protection against mismating eliminates errors
- for automation controllers
- with B coding for controllers such as lighting fixtures and sun blinds
- custom-engineered solutions
- fast, secure installation

Data

Notes

Variants:	Other pole markings
	Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

Ratings per IEC/EN

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

Ratings per UL 1977

Note for the US market	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.
Rated voltage (UL 1977)	600 V
Rated current UL 1977	23 A

General information

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

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

Connection data

Connection points	6
Total number of potentials	3

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	4 mm² / 12 AWG
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
Strip length	9 mm / 0.35 inches
Pole number	3
Conductor entry direction to mating direction	0 °

Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	12.9 mm / 0.508 inches
Depth	37.5 mm / 1.476 inches

Mechanical Data

Application	Control technology
Coding	B
Variable coding	Yes
Marking	1 2 3
Potential marking	1 2 3
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
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)

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

Number of mating cycles	200, without resistive load
Protection type	IP20; When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
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
Locking of plug-in connection	locking lever
Note on locking system	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

Note (material data)	
	Information on material specifications can be found here

Color	light green
Cover color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.178 MJ
Weight	9.6 g

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

Environmental requirements

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

Commercial data

Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 8.0	EC002560
ETIM 7.0	EC002560
PU (SPU)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821445012
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
KEMA KEUR	**CCA** DEKRA Certification B.V.	EN 61984	2173495.01
cURus	**cURus** Underwriters Laboratories Inc.	UL 1977	E45171
cURus	**cURus** Underwriters Laboratories Inc.	UL 1059	E 45172

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

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
CE	**EU-Declaration of Conformity** WAGO GmbH & Co. KG	-	-
UKCA	**UK-Declaration of Conformity** WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
ABS	**ABS** American Bureau of Shipping	-	19-HG1868589-PDA
DNV	**DNV GL** Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
LR	**LR** Lloyds Register	IEC 61984	LR22429487TA

Counterpart

	Item no.770-1612 T-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; 2 locking levers; light green	www.wago.com/770-1612
	Item no.770-1662 h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; light green	www.wago.com/770-1662
	Item no.770-1712 T-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; 3 locking levers; for flying leads; light green	www.wago.com/770-1712
	Item no.770-1715 3-way distribution connector; 3-pole; Cod. B; 1 input; 3 outputs; light green	www.wago.com/770-1715

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

Item no.770-1762
h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; light green

www.wago.com/770-1762

Item no.770-273
Plug; 3-pole; Cod. B; 4,00 mm²; light green

www.wago.com/770-273

Item no.770-773
Snap-in plug; 3-pole; Cod. B; 4,00 mm²; light green

www.wago.com/770-773

Item no.770-873
Plug for PCBs; straight; 3-pole; Cod. B; light green

www.wago.com/770-873

Item no.770-873/011-000
Plug for PCBs; angled; 3-pole; Cod. B; light green

www.wago.com/770-873/011-000

Item no.771-9993/005-105
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm²; 1 m; 1,00 mm²; light green

www.wago.com/771-9993/005-105

Item no.771-9993/205-105
pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm²; 1 m; 1,00 mm²; light green

www.wago.com/771-9993/205-105

Required accessories

Locking levers

Locking system

Item no.: 770-121
Locking lever; for flying leads; for manual operation; white

www.wago.com/770-121

Item no.: 770-131
Locking lever; for flying leads; for tool operation; white

www.wago.com/770-131

Item no.: 770-101
Locking lever; for flying leads; for manual operation; black

www.wago.com/770-101

Item no.: 770-111
Locking lever; for flying leads; for tool operation; black

www.wago.com/770-111

Optional accessories

Cover

Cover

Item no.: 770-201
Lockout cap; 12-pole, separable; for sockets; Plastic; black

www.wago.com/770-201

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

Item no.: 770-221
Lockout cap; 12-pole, separable; for sockets; Plastic; white

www.wago.com/770-221

Tool

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

Item no.: 770-383
Operating tool; 3-way; green

www.wago.com/770-383

Mounting

Mounting accessories

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

Marking accessories

Marker

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

Strain relief

Strain relief housing

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

Item no.: 770-503
Strain relief housing; 3-pole; for 2 cables; 8.0 … 11.5 mm; 55 mm; black

www.wago.com/770-503

Item no.: 770-503/023-000
Strain relief housing; 3-pole; for 2 cables; 4.5 … 8.0 mm; 55 mm; black

www.wago.com/770-503
/023-000

Item no.: 770-503/021-000
Strain relief housing; 3-pole; for 1 cable; 9.0 … 13.0 mm; 71 mm; black

www.wago.com/770-503
/021-000

Item no.: 770-503/035-000
Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 … 11.5 mm; 48 mm; black

www.wago.com/770-503
/035-000

Item no.: 770-503/038-000
Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 … 11.5 mm; 48 mm; black

www.wago.com/770-503
/038-000

Item no.: 770-503/032-000
Strain relief housing; 3-pole; with locking clip; for 2 cables; 8.0 … 11.5 mm; 55 mm; black

www.wago.com/770-503
/032-000

Item no.: 770-513/038-000
Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 … 11.5 mm; 48 mm; white

www.wago.com/770-513
/038-000

Item no.: 770-513
Strain relief housing; 3-pole; for 2 cables; 8.0 … 11.5 mm; 55 mm; white

www.wago.com/770-513

Item no.: 770-513/021-000
Strain relief housing; 3-pole; for 1 cable; 9.0 … 13.0 mm; 71 mm; white

www.wago.com/770-513
/021-000

Item no.: 770-513/032-000
Strain relief housing; 3-pole; for 2 cables; 8.0 … 11.5 mm; 55 mm; white

www.wago.com/770-513
/032-000

Item no.: 770-513/035-000
Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 … 11.5 mm; 48 mm; white

www.wago.com/770-513
/035-000

Item no.: 770-513/023-000
Strain relief housing; 3-pole; for 2 cables; 4.5 … 8.0 mm; 55 mm; white

www.wago.com/770-513
/023-000

Downloads
Documentation

Bid Text

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770-263 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
770-263 doc - Datei	2015 Jun 8	doc 24.6 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-263	URL	Download

CAE data

WSCAD Universe 770-263	URL	Download
ZUKEN Portal 770-263	URL	Download

Asset Administration Shell

Asset Administration Shell 770-263	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-263 Socket; 3-pole; Cod. B; 4,00 mm²; light green	URL	Download

Installation Notes

Conductor termination

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

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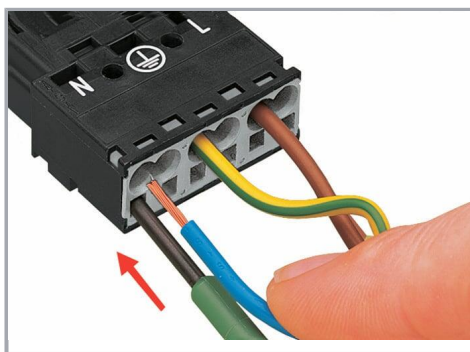
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.
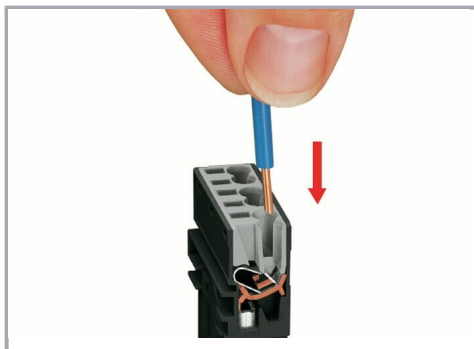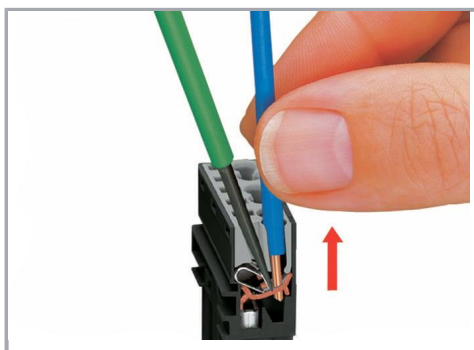

Insert the stripped solid conductor until it hits the backstop.
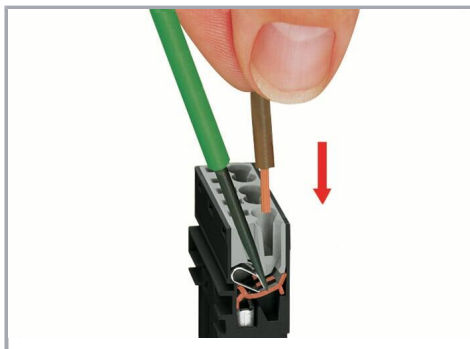
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

Conductor removal

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

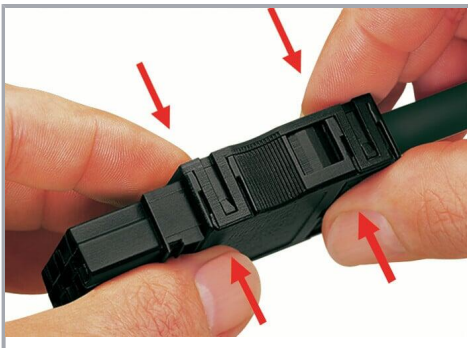Subject to changes. Please also observe the further product documentation!

Installation
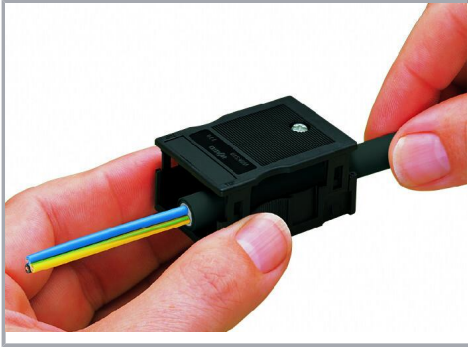
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.
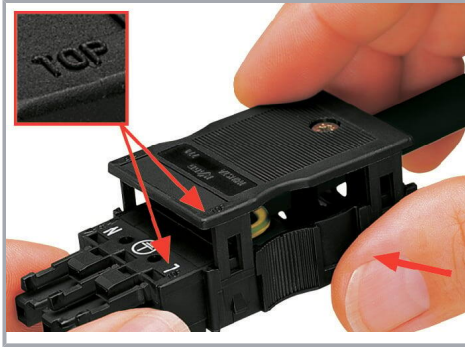
Latch the strain relief housing onto the plug /socket. Note the "TOP" inscription.

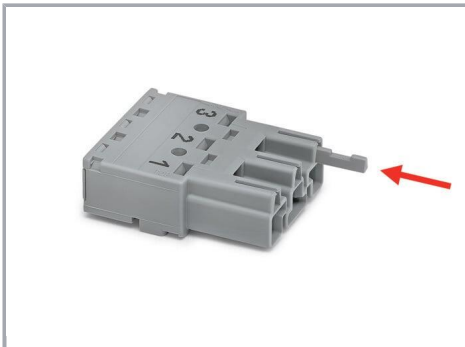Prepare strain relief housing by snapping together upper and bottom part.

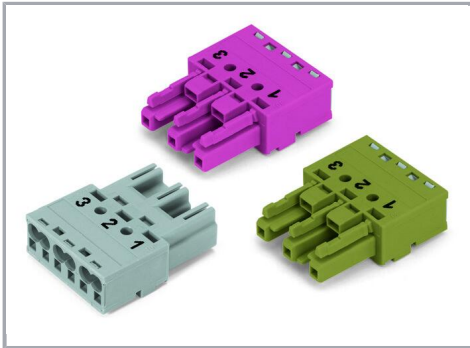Tighten strain relief screw with screwdriver (2.5 mm blade width).

Coding

Simply cut off the coding pin from the socket.

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

Mismating protection

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

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Do you have any questions about our products?
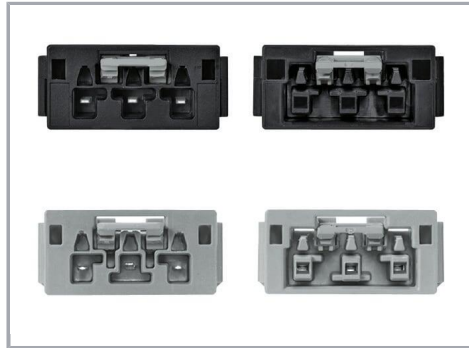We are always happy to take your call at +49 (571) 887-44222.

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!