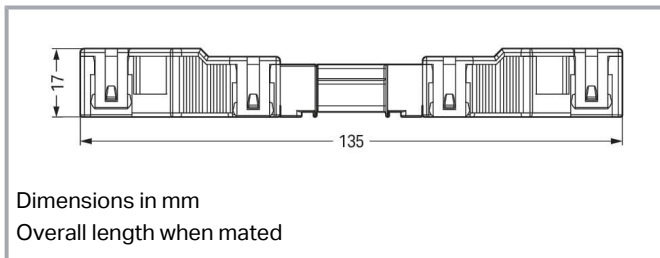
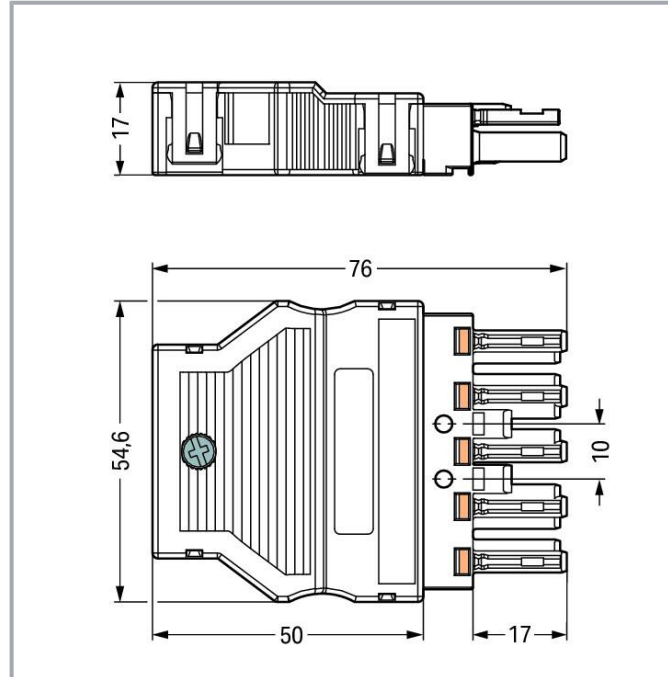
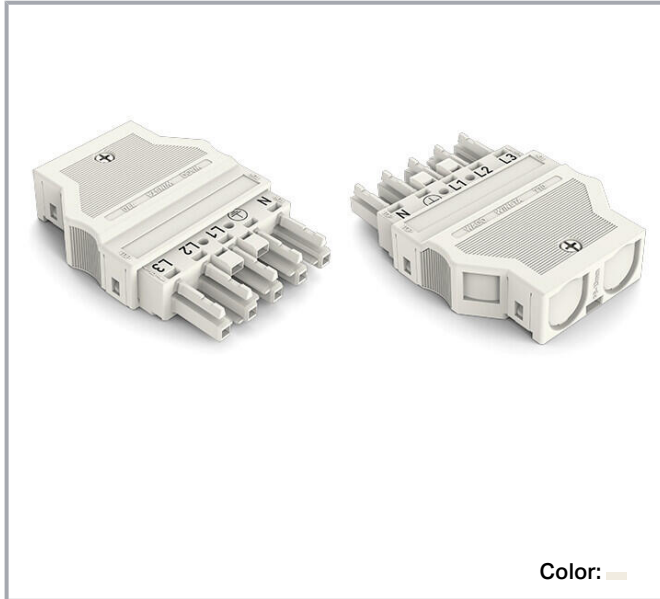


Data sheet | Item number: 770-325

Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-325



Item description

Female connector/socket WINSTA® MIDI rated current 25 A

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI female connector/socket A coding. 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 no time. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. 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!)). General mains applications for almost any domain of use can be implemented with WINSTA® MIDI pluggable installation

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

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connectors with A coding. The rated current and voltage are important criteria for selecting a pluggable installation connector: They tell us about the product's domains of use. This product has a current rating of 25 A – so it is also suitable for powerful loads. The WINSTA® MIDI product line achieves maximum flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers flexibility for meeting all installation requirements. The strip length is 55 mm.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Choose quality and durability – with protection against mismatching from WAGO makes the installation of electrical components significantly easier.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- suitable for any application
- ready for immediate use
- quick replacement of defective units during ongoing operation

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	400 V
Rated impulse voltage (III/3)	6 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

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



General information

Note on contact resistance

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

Connection data

Connection points	5
-------------------	---

Total number of potentials	5
----------------------------	---

Connection 1

Connection technology	Push-in CAGE CLAMP®
-----------------------	---------------------

Actuation type	Operating tool Push-in
----------------	---------------------------

Nominal cross-section	4 mm ² / 12 AWG
-----------------------	----------------------------

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 inches
--------------	--------------------

Pole number	5
-------------	---

Conductor entry direction to mating direction	0°
---	----

Strip length (outer insulation)	55 mm
---------------------------------	-------

Physical data

Pin spacing	10 mm / 0.394 inches
-------------	----------------------

Width	54.6 mm / 2.15 inches
-------	-----------------------

Height	17 mm / 0.669 inches
--------	----------------------

Depth	76 mm / 2.992 inches
-------	----------------------

Mechanical Data

Application	General mains applications
-------------	----------------------------

Coding	A
--------	---

Variable coding	Yes
-----------------	-----

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

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Marking	N \downarrow L1 L2 L3
Potential marking	N \downarrow L1 L2 L3
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)
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).
Strain relief	strain relief housing

Material data

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

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

Contact plating	Tin
Fire load	0.631 MJ
Weight	29 g

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
ECCN	NO DATA
PU (SPU)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918252515
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61535	NL -84761
	CCA DEKRA Certification B.V.	EN 61535	71- 123228
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

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



cURus

UL 1059

E 45172



Underwriters Laboratories Inc.




VDE

EN 61984




40002889

VDE Prüf- und Zertifizierungsinstitut

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications

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

Counterpart



Item no.770-135

Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; whitewww.wago.com/770-135

Item no.770-235

Plug; 5-pole; Cod. A; 4,00 mm²; whitewww.wago.com/770-235

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

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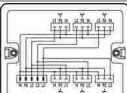
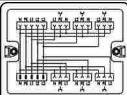
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	Item no.770-335 Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; white	www.wago.com/770-335
	Item no.770-435 Plug; 5-pole; Cod. A; 4,00 mm ² ; white	www.wago.com/770-435
	Item no.770-6225 Linect® T-connector; 5-pole; Cod. A; 1 input; 2 outputs; white	www.wago.com/770-6225
	Item no.770-672 T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white	www.wago.com/770-672
	Item no.770-671 T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; white	www.wago.com/770-671
	Item no.770-735/007-000 Snap-in plug; with direct ground contact; 5-pole; Cod. A; 4,00 mm ² ; white	www.wago.com/770-735/007-000
	Item no.770-735 Snap-in plug; 5-pole; Cod. A; 4,00 mm ² ; white	www.wago.com/770-735
	Item no.770-690 Three-phase to single-phase distribution connector; with phase selection; 5-pole/3-pole; Cod. A; 1 input; 5 outputs; white	www.wago.com/770-690
	Item no.770-835 Plug for PCBs; straight; 5-pole; Cod. A; white	www.wago.com/770-835
	Item no.770-835/011-000 Plug for PCBs; angled; 5-pole; Cod. A; white	www.wago.com/770-835/011-000
	Item no.771-9995/006-102 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; white	www.wago.com/771-9995/006-102
	Item no.771-9995/206-102 pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; white	www.wago.com/771-9995/206-102
	Item no.899-681/105-000 Distribution box; Three-phase to single-phase current (400 V/230 V); 1 input; 6 outputs; Cod. A; MIDI; white	www.wago.com/899-681/105-000
	Item no.899-681/100-000 Distribution box; Three-phase to single-phase current (400 V/230 V); 1 input; 7 outputs; Cod. A; MIDI; white	www.wago.com/899-681/100-000

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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

Cover

Cover



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

www.wago.com/770-201



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

www.wago.com/770-221

Optional accessories

Cover

Cover



Item no.: 897-2005
Protective cap; Type4; for sockets and plugs; PVC; red

www.wago.com/897-2005

Tool

Wiring aid



Item no.: 770-100
Wiring aid; 2- to 5-pole; Plastic; orange

www.wago.com/770-100

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

Marking accessories

Marker

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

	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

Downloads

Documentation

Bid Text

770-325 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
770-325 doc - Datei	2015 Jun 8	doc 24.1 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-325	URL	Download
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CAE data

EPLAN Data Portal 770-325	URL	Download
ZUKEN Portal 770-325	URL	Download

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WSCAD Universe 770-325

[URL](#)

[Download](#)

Asset Administration Shell

Asset Administration Shell 770-325

[URL](#)

[Download](#)

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-325

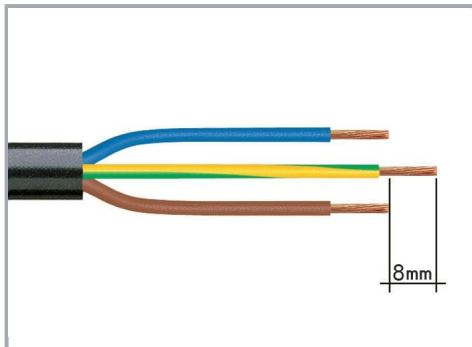
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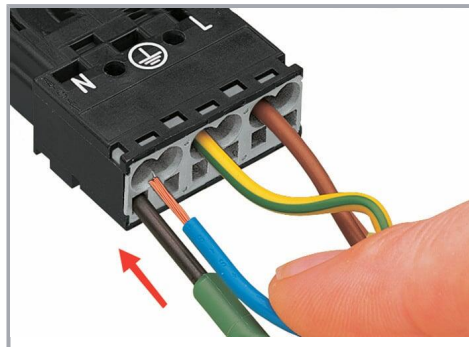
Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; white

Installation Notes

Conductor termination

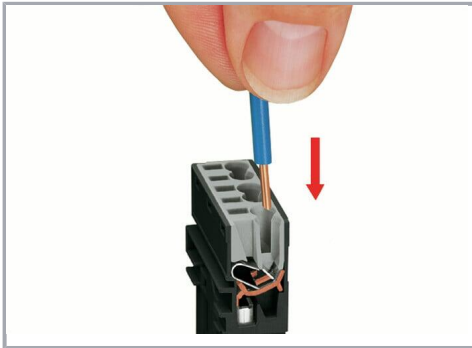


1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

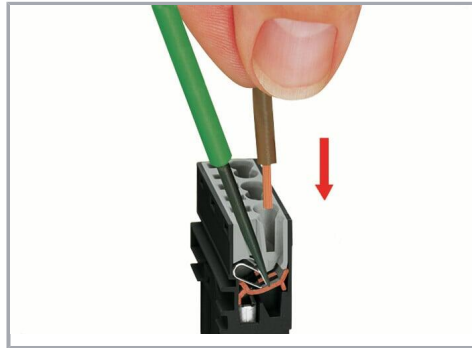


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

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

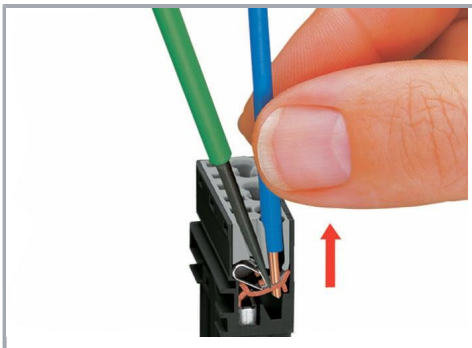


Insert the stripped solid conductor until it hits the backstop.



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.

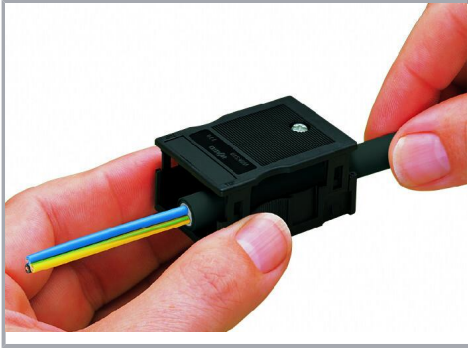
Conductor removal



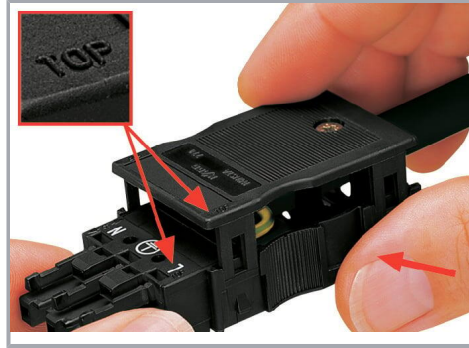
To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

Installation

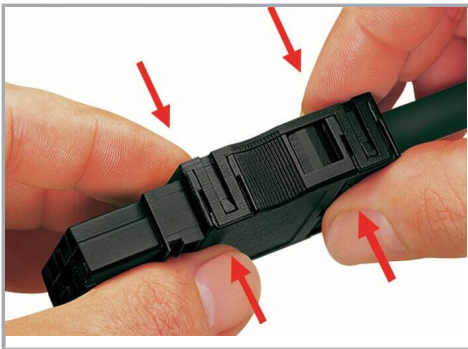
Subject to changes. Please also observe the further product documentation!



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).

Product family

WINSTA® MIDI

[Show all products from the family](#)

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