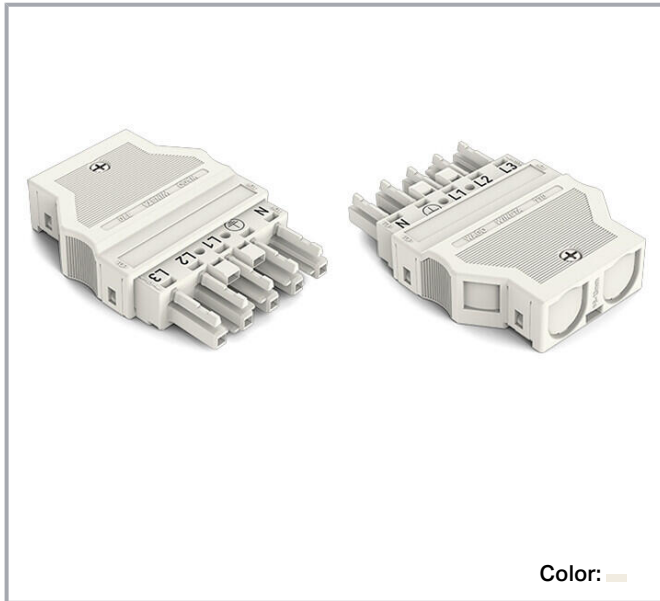


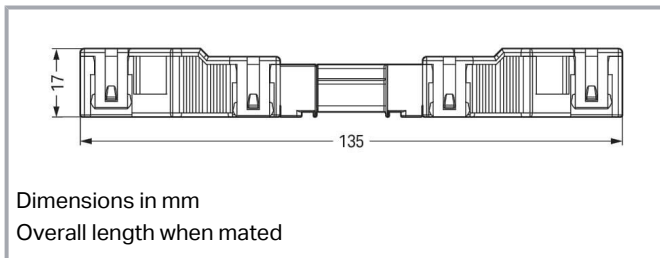
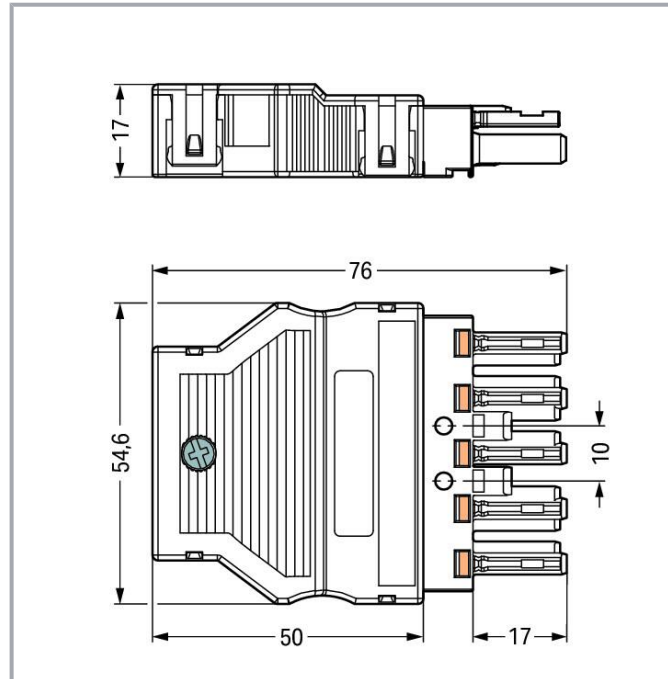
Data sheet | Item number: 770-125

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

www.wago.com/770-125



Color:



Dimensions in mm

Overall length when mated

Item description

Female connector/socket *WINSTA*® MIDI 5-pole

For signal and power transmission: The *WINSTA*® MIDI female connector/socket rated current 25 A. The pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow fast, efficient, error-free installation in a large number of applications. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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!)). Thanks to the color coding and mechanical A coding of *WINSTA*® MIDI pluggable installation connectors, you can clearly distinguish different circuits. This pluggable installation

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

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connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a variety of projects you can use for quick, easy and maximally flexible installation. The strip length is 55 mm.

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

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose durability and quality – with protection against mismating from WAGO makes the electrical installation of electrical components significantly easier.

- effective protection against mismating
- pre-assembled versions
- with A coding for a great number of applications
- exact dimensions
- 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

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General information

Note on contact resistance

approx. 1 mΩ of contact resistance

approx. 0.25 mΩ contact transition plug/socket

Connection data

Connection points	10
Total number of potentials	5

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	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

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Marking	N ∇ L1 L2 L3
Potential marking	N ∇ 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 <i>WINSTA</i> ® 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	0.667 MJ
Weight	28.9 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	4044918252201
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.	EN 61535	71-123228
	CCA DEKRA Certification B.V.	IEC 61535	NL -84761
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

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cURus
Underwriters Laboratories Inc.

UL 1059

E 45172



VDE
VDE Prüf- und Zertifizierungsinstitut

EN 61535

40029808




VDE
VDE Prüf- und Zertifizierungsinstitut




EN 61984

40002889

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

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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**Item no.770-335**Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; whitewww.wago.com/770-335**Item no.770-435**Plug; 5-pole; Cod. A; 4,00 mm²; whitewww.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.770-671**

T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; white

www.wago.com/770-671**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.770-672**

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.770-735**Snap-in plug; 5-pole; Cod. A; 4,00 mm²; whitewww.wago.com/770-735**Item no.770-835**

Plug for PCBs; straight; 5-pole; Cod. A; white

www.wago.com/770-835**Item no.770-735/007-000**Snap-in plug; with direct ground contact; 5-pole; Cod. A; 4,00 mm²; whitewww.wago.com/770-735/007-000**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 mm²; 1 m; 1,50 mm²; whitewww.wago.com/771-9995/006-102**Item no.771-9995/206-102**www.wago.com/771-9995

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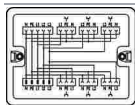
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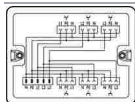
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pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; /206-102
1,50 mm²; white

**Item no. 899-681/100-000**

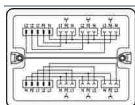
Distribution box; Three-phase to single-phase current (400 V/230 V); 1 input; 7 outputs; Cod. A; MIDI; white

www.wago.com/899-681/100-000

**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. 899-681/144-000**

Distribution box; Three-phase to single-phase current (400 V/230 V); 2 inputs; 6 outputs; Cod. A; MIDI; white

www.wago.com/899-681/144-000

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

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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



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

770-125 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
770-125 doc - Datei	2015 Jun 8	doc 24.1 kB	Download

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ausschreiben.de 770-125	URL	Download
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CAD/CAE-Data

CAD data

2D/3D Models 770-125	URL	Download
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CAE data

EPLAN Data Portal 770-125	URL	Download
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ZUKEN Portal 770-125	URL	Download
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WSCAD Universe 770-125	URL	Download
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Asset Administration Shell

Asset Administration Shell 770-125	URL	Download
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Environmental Product Compliance

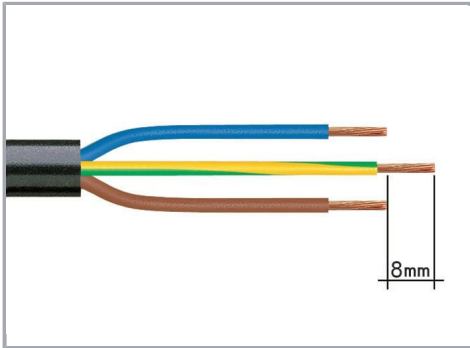
Compliance Search

Environmental Product Compliance 770-125	URL	Download
Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; white		

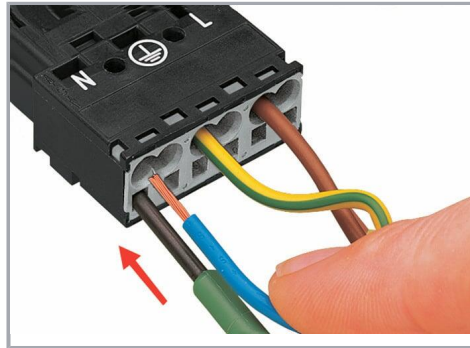
Installation Notes

Conductor termination

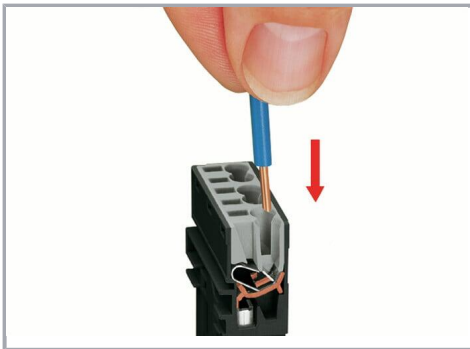
Subject to changes. Please also observe the further product documentation!



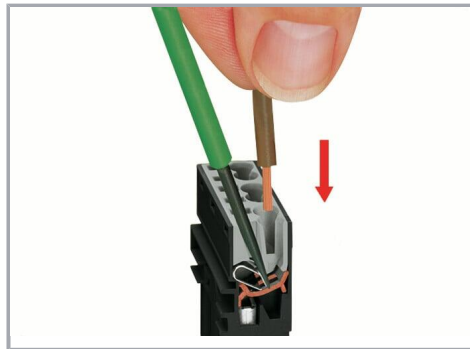
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



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.

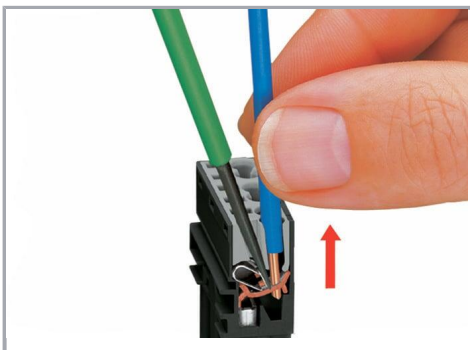


Insert the stripped solid conductor until it hits the backstop.



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.

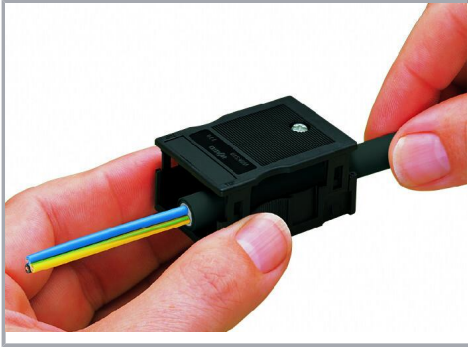
Conductor removal



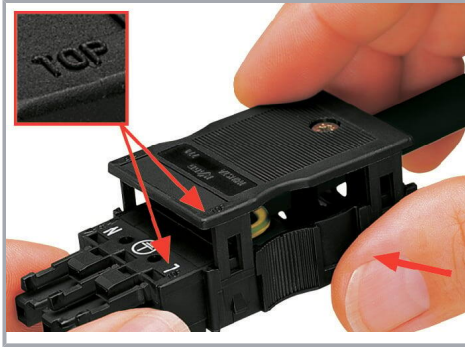
To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

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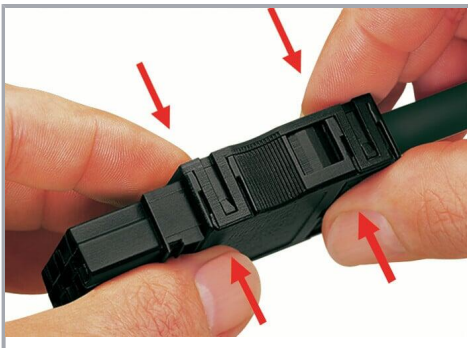
Installation



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).

Product family

WINSTA® MIDI

[Show all products from the family](#)

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