Data sheet | Item number: 770-1363

Socket; 3-pole; Cod. S; 4,00 mm²; brown

www.wago.com/770-1363

WAGO

Color: ▬

Item description

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

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MIDI female connector/socket rated current 25 A. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in a large number of possible uses. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected 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!)). This means that users' fingers will never come into contact with energised elements. The S coding in brown marks pluggable installation connectors of the *WINSTA*® MIDI product line, which are appropriate for use in AC applications. This pluggable installation connector is used for electrical currents up to 25 A. Thus the product is also suitable for high power loads. Our *WINSTA*® MIDI product line allows maximum flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers customization and flexibility for meeting various installation requirements.

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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with protection type IP20 from WAGO makes the

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

installation of electrical components noticeably easier.

-
- effective protection against mismating
- simple circuits
- with S coding for use in components such as motors or frequency converters
- flexible installation to save space
- convenient installation and commissioning

Data
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

Connection data

Connection points	6
Total number of potentials	3

Connection 1

Connection technology

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

	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	Switching function
Coding	S
Variable coding	No
Marking	1 2 L
Potential marking	1 2 L
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

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

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	brown
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	0.175 MJ
Weight	9.5 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

eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05

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

ETIM 8.0	EC002560
ETIM 7.0	EC002560
PU (SPU)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918252720
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 61535	NL -84761
KEMA KEUR	**CCA** DEKRA Certification B.V.	EN 61535	71-123228
cURus	**cURus** Underwriters Laboratories Inc.	UL 1977	E45171
cURus	**cURus** Underwriters Laboratories Inc.	UL 1059	E 45172

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name

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

	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.770-1373 Plug; 3-pole; 4,00 mm²; brown	www.wago.com/770-1373
	Item no.771-9973/006-105 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. S; H05VV-F 3 x 1.5 mm²; 1 m; 1,50 mm²; brown	www.wago.com/771-9973/006-105
	Item no.771-9973/206-105 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. S; H05VV-F 3 x 1.5 mm²; 1 m; 1,50 mm²; brown	www.wago.com/771-9973/206-105

Required accessories

Strain relief

Strain relief housing

	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.: 770-513 Strain relief housing; 3-pole; for 2 cables; 8.0 … 11.5 mm; 55 mm; white	www.wago.com/770-513

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

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

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

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

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

Strain relief

Strain relief housing

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

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

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.: 770-513/021-000

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

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

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

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

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

www.wago.com/770-383

Downloads

Documentation

Bid Text

770-1363 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
770-1363 doc - Datei	2015 Jun 8	doc 24.1 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-1363	URL	Download

CAE data

EPLAN Data Portal 770-1363	URL	Download
WSCAD Universe 770-1363	URL	Download
ZUKEN Portal 770-1363	URL	Download

Asset Administration Shell

Asset Administration Shell 770-1363	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1363 Socket; 3-pole; Cod. S; 4,00 mm²; brown	URL	Download

Installation Notes

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

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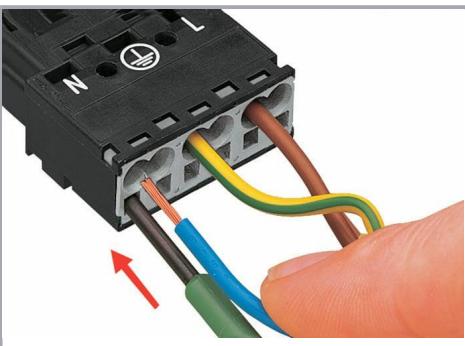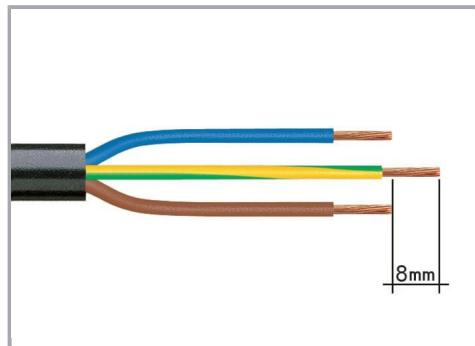
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

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.
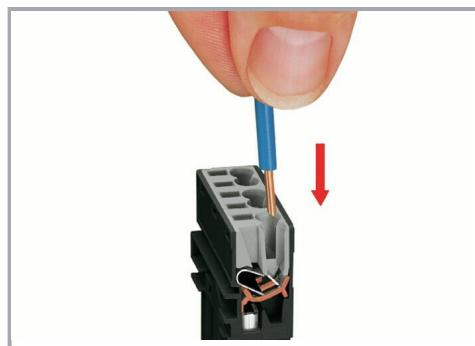

Insert the stripped solid conductor until it hits the backstop.
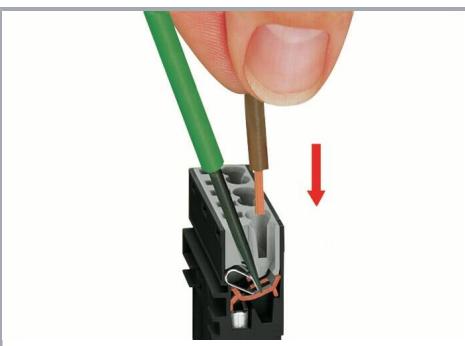
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

Conductor removal

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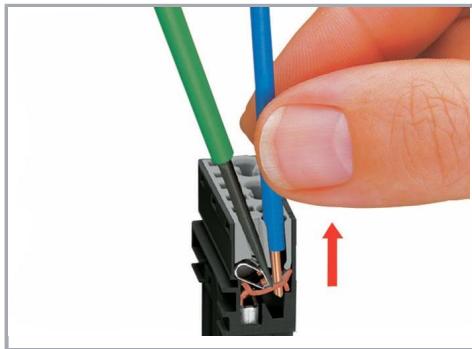
To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

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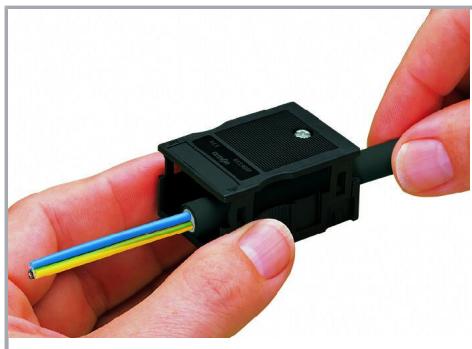
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.
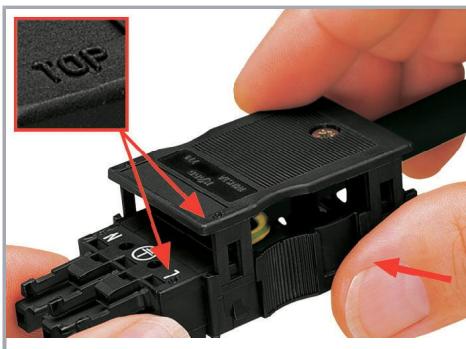
Latch the strain relief housing onto the plug /socket. Note the "TOP" inscription.
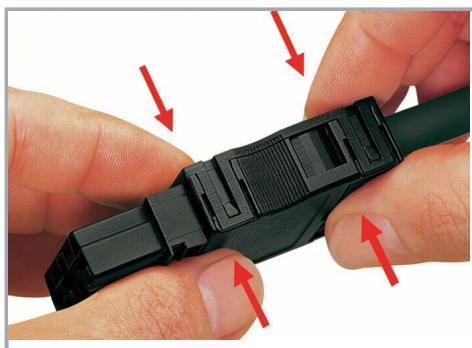
Prepare strain relief housing by snapping together upper and bottom part.

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

Product family

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

WINSTA® MIDI

Show all products from the family

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.