

Data sheet | Item number: 770-635

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; black

www.wago.com/770-635



Color:

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

WAGO GmbH & Co. KG
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Phone: +49 571 887-0 | Fax: +49 571 887-169
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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.

Item description

Distribution connector WINSTA® MIDI rated current 25 A

The WINSTA® MIDI distribution connector with protection against mismatching supports fast, reliable installation. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous variety of requirements in next to no time. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with live elements. The WINSTA® MIDI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. This pluggable installation connector can be employed for a 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 integrated test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

WINSTA® MIDI solutions for your electrical installation – protected against mismatching and maintenance-free

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

- effective protection against mismatching
- simple circuits
- suitable for any application
- custom-engineered solutions
- 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

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

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

Total number of potentials

3

PE function

Preceding PE contact

Connection 1

Pole number

3

Physical data

Pin spacing

10 mm / 0.394 inches

Width

30 mm / 1.181 inches

Height

32.7 mm / 1.287 inches

Depth

51 mm / 2.008 inches

Mechanical Data

Application

General mains applications

Coding

A

Marking

L+N

Potential marking

L+N

Mating force of a plug-in connection

approx. 20 ... 70 N (depending on pole number)

Retention force of a plug-in connection

When 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

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Type of distribution box	h-distribution connector, outputs at both ends
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Suitable	for flying leads

Plug-in connection

Contact type (pluggable connector)	Socket/plug
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	yes
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).
Number of locking levers	

Material Data

Note (material data)	Information on material specifications can be found here
Color	black
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.635 MJ
Weight	23.2 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

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Commercial data

eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454251468
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
	cURus Underwriters Laboratories Inc.	UL 1059	E 45172

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	-	TAE00001Z6

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

Det Norske Veritas, Germanischer Lloyd

LR
Lloyds Register

IEC 61984

LR22429487TA

Counterpart**Item no.770-103**Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-103**Item no.770-113**Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-113**Item no.770-203**Socket; 3-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-203**Item no.770-203/035-000**Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-203/035-000**Item no.770-213/035-000**Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-213/035-000**Item no.770-213**Plug; 3-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-213**Item no.771-9993/006-101**pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; blackwww.wago.com/771-9993/006-101**Item no.771-9993/106-101**pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; blackwww.wago.com/771-9993/106-101**Item no.771-9993/206-101**pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; blackwww.wago.com/771-9993/206-101**Optional accessories****Cover**

Cover

Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360**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**Mounting**

Mounting accessories

Item no.: 770-623

Mounting plate; 3-pole; for distribution connectors; Plastic; black

www.wago.com/770-623**Item no.: 770-673**

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Mounting plate; 3-pole; for distribution connectors; Plastic; white

www.wago.com/770-673

Downloads

Documentation

Bid Text

770-635	2019 年2月19 日	xml	Download
X81 - Datei		2.9 kB	
770-635	2015 年3月12 日	doc	Download
doc - Datei		23.6 kB	
ausschreiben.de 770-635		URL	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 770-635	URL	Download
ZUKEN Portal 770-635	URL	Download
WSCAD Universe 770-635	URL	Download

CAD data

2D/3D Models 770-635	URL	Download
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Environmental Product Compliance

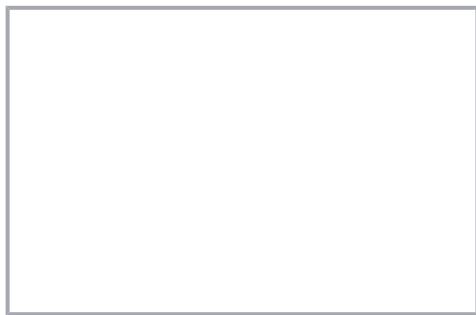
Compliance Search

Environmental Product Compliance 770-635	URL	Download
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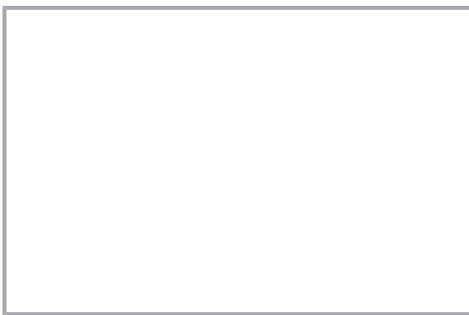
Installation Notes

Installation

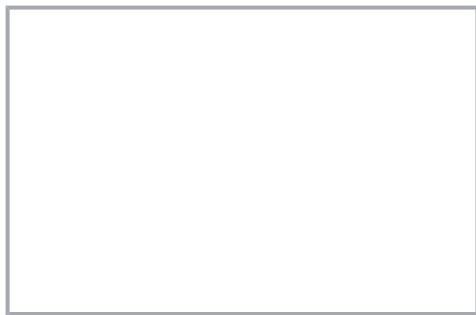
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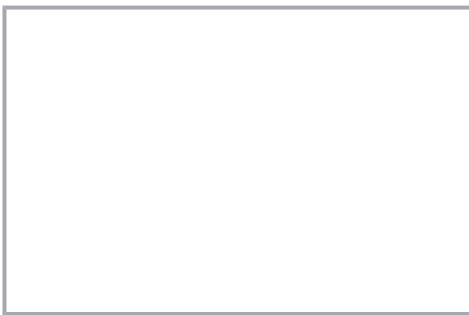
Mounting plates can be secured using commercially available screws or nail-drive anchors.



The distribution connectors snap together when attached to the mounting plate.



To release the distribution connector, unlock the latch using a screwdriver.



All distribution connector connections are locked and protected against accidental disconnection directly after mating. Locking of any connection is released using a screwdriver, even if all connections are used.

Product family

WINSTA® MIDI

[Show all products from the family](#)

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