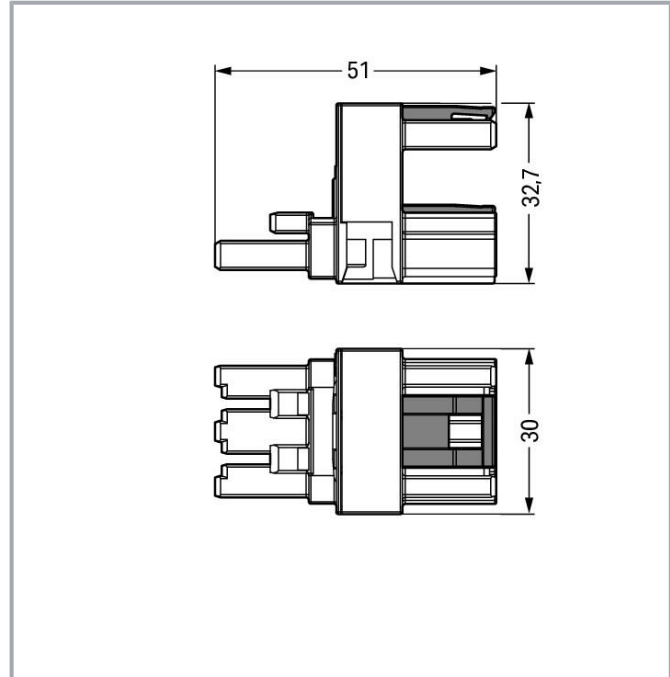
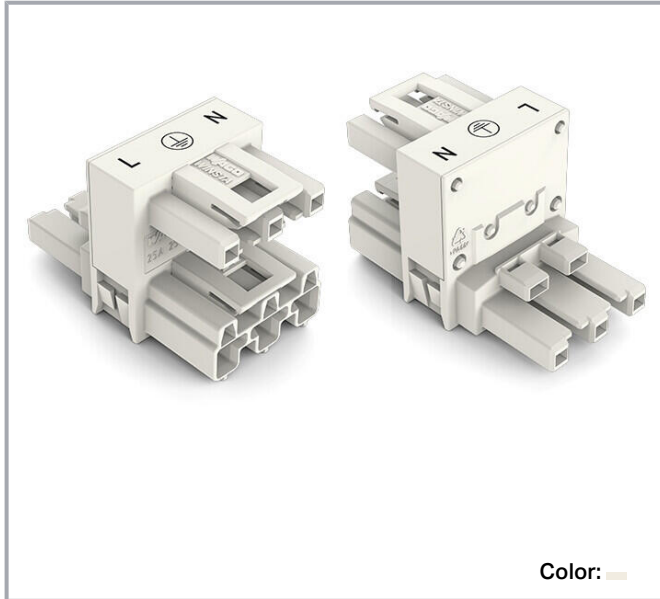


Data sheet | Item number: 770-683

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 2 locking levers; white

www.wago.com/770-683



Item description

Distribution connector *WINSTA*® MIDI 3-pole

The *WINSTA*® MIDI distribution connector 3-pole supports fast, reliable installation. WAGO pluggable installation connectors are useful when specifications repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: 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. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They provide information about possible domains of use and applications. This product has a current rating of 25 A – as a result it is suitable for powerful loads. The *WINSTA*® MIDI product line achieves flexibility for the electrical installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers customization for meeting an enormous variety of installation requirements.

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – with marking from WAGO makes the electrical installation of electrical components visibly easier.

-
- pluggable installation connectors with protection against mismatching
- for automation controllers
- for any mains application
- custom-engineered solutions
- 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)	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
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Subject to changes. Please also observe the further product documentation!



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 \perp N
Potential marking	L \perp 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
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!)

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

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



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	white
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.386 MJ
Weight	22.8 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	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
Recupel Type	
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454251550
Customs tariff number	85366990990

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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.	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 Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

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LR
Lloyds Register

IEC 61984

LR22429487TA

Counterpart



Item no. 770-123
Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-123

Item no. 770-133
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-133

Item no. 770-223
Socket; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-223

Item no. 770-223/035-050
Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-223/035-050

Item no. 770-233
Plug; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-233

Item no. 770-233/035-050
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-233/035-050

Item no. 771-9993/006-102
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9993/006-102

Item no. 771-9993/106-102
pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9993/106-102

Item no. 771-9993/206-102
pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9993/206-102

Optional accessories

Cover

Cover



Item no.: 770-360
Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

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

www.wago.com/770-673

Downloads
Documentation

Bid Text

770-683 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
770-683 doc - Datei	2015 Mar 12	doc 23.6 kB	Download
ausschreiben.de 770-683		URL	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-683	URL	Download
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CAE data

EPLAN Data Portal 770-683	URL	Download
WSCAD Universe 770-683	URL	Download
ZUKEN Portal 770-683	URL	Download

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Asset Administration Shell

Asset Administration Shell 770-683	URL	Download
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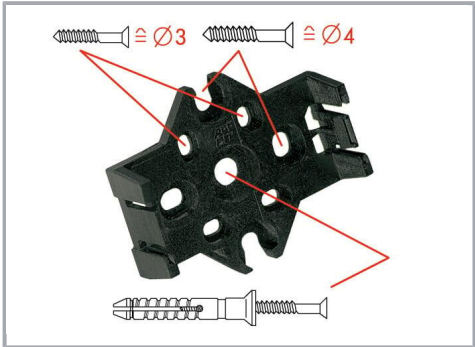
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-683	URL	Download
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 2 locking levers; white		

Installation Notes

Installation



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

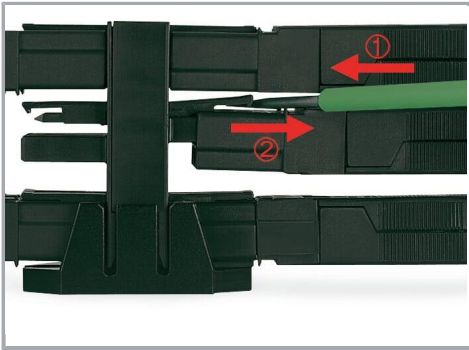


The distribution connectors snap together when attached to the mounting plate.



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

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



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](#)

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