

Item description

Distribution connector **WINSTA®** MIDI with protection against mismating

For signal and power transmission: The **WINSTA®** MIDI distribution connector with locking latch. Our pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in numerous applications. 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: 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 electrified elements. Regulated lighting, as implemented with the DALI standard, for instance, is the primary domain of use of **WINSTA®** MIDI pluggable installation connectors with I 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 – therefore it is suitable for powerful loads. **WINSTA®** MIDI with Push-in CAGE CLAMP® spring pressure connection technology is

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

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found in can be found in a variety of projects you can use for quick, easy, flexible, and secure installation.

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

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Now you can also cut installation expenses without compromising safety and quality: with locking lever eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- pre-assembled versions
- with I coding for use in the automation of buildings (lighting control)
- ready for immediate use
- convenient installation and commissioning

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

General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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Connection data

Total number of potentials	5
PE function	Preceding PE contact

Connection 1

Pole number	5
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Physical data

Pin spacing	10 mm / 0.394 inches
Width	50 mm / 1.969 inches
Height	58.2 mm / 2.291 inches
Depth	46 mm / 1.811 inches

Mechanical data

Application	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N \perp L DA- DA+
Potential marking	N \perp L DA- DA+
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	Distribution connector, 5-way
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	<p>All WINSTA[®] components are 100% protected against mismating when:</p> <ul style="list-style-type: none"> a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole

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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	6

Material data

Note (material data)	Information on material specifications can be found here
Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.992 MJ
Weight	64 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
ECCN	NO DATA
PU (SPU)	20 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143706940
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
	cURus Underwriters Laboratories Inc.	UL 1059	E 45172



Counterpart

	Item no. 770-1105 Socket; 5-pole; Cod. I; 4,00 mm ² ; blue	www.wago.com/770-1105
	Item no. 770-1105/022-000 Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm ² ; blue	www.wago.com/770-1105/022-000
	Item no. 770-1115/022-000 Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm ² ; blue	www.wago.com/770-1115/022-000
	Item no. 770-1115 Plug; 5-pole; 4,00 mm ² ; blue	www.wago.com/770-1115
	Item no. 771-9985/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/771-9985/106-101
	Item no. 771-9985/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/771-9985/006-101
	Item no. 771-9985/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/771-9985/206-101

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

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Item no.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white

www.wago.com/770-221

Mounting

Mounting accessories



Item no.: 770-625

Mounting plate; 5-pole; for distribution connectors; Plastic; black

www.wago.com/770-625

Item no.: 770-675

Mounting plate; 5-pole; for distribution connectors; Plastic; white

www.wago.com/770-675

Downloads

Documentation

Bid Text

770-1947 X81 - Datei	2019 年2月19 日	xml 2.8 kB	Download
770-1947 doc - Datei	2018 年3月21 日	doc 23.0 kB	Download
ausschreiben.de 770-1947		URL	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-1947	URL	Download
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Asset Administration Shell

Asset Administration Shell 770-1947	URL	Download
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Environmental Product Compliance

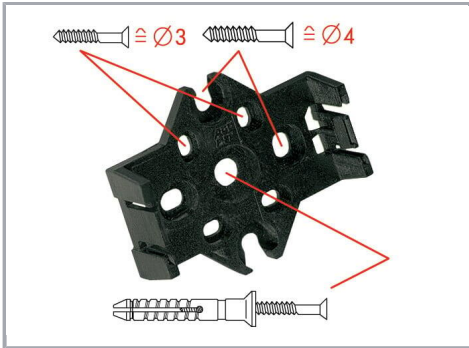
Compliance Search

Environmental Product Compliance 770-1947 5-way distribution connector; 5-pole; Cod. I; 1 input; 5 outputs; blue	URL	Download
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Installation Notes

Installation



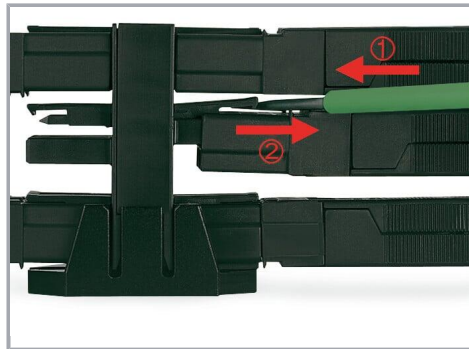
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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



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



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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