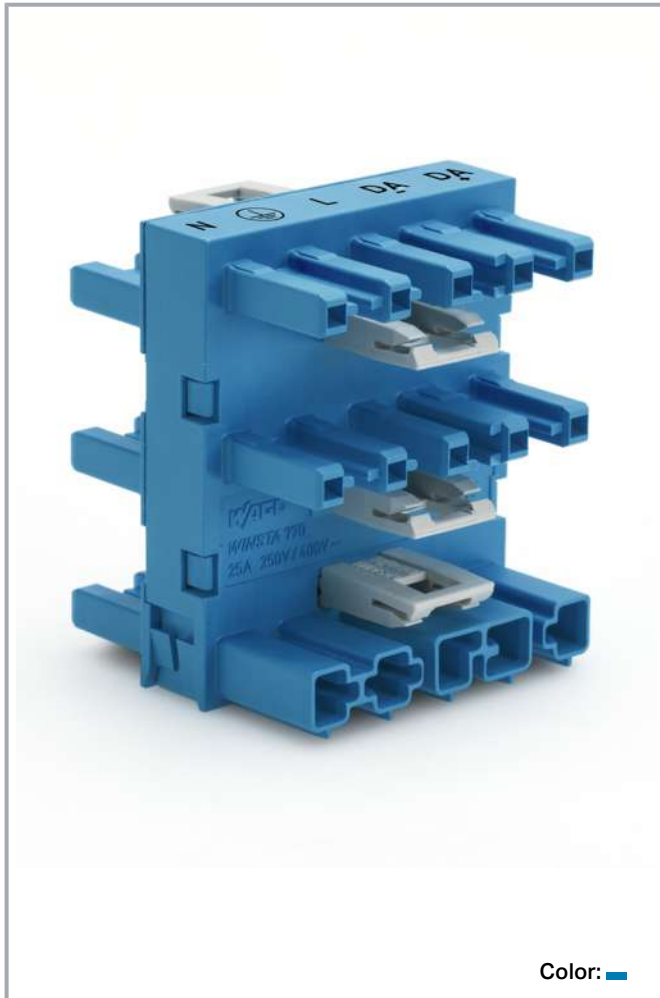


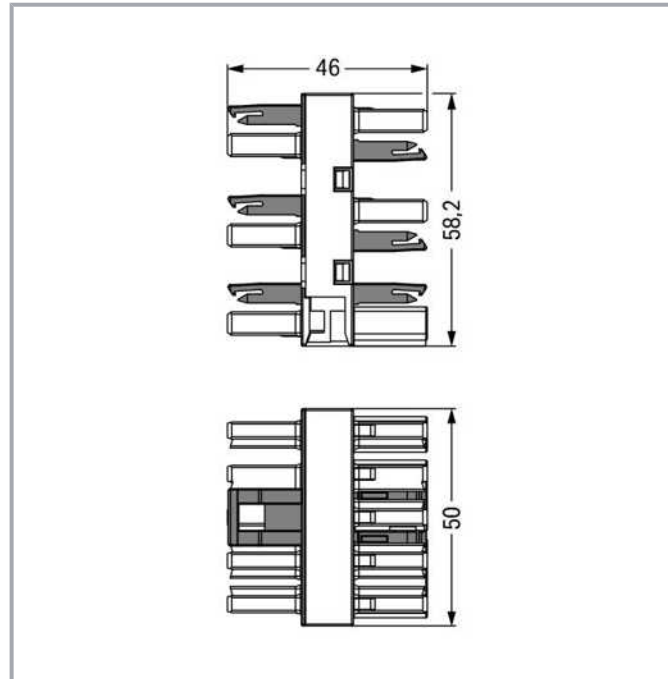
Data sheet | Item number: 770-1947

5-way distribution connector; 5-pole; Cod. I; 1 input; 5 outputs; blue

www.wago.com/770-1947



Color:



Item description

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

The **WINSTA®** MIDI distribution connector I coding ensures rapid, correct installation. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in seconds.

The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected in

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accordance with protection type IP20. This means that users' fingers will never come into contact with energised elements. Controlled lighting equipment, as used with the DALI standard, for instance, is the primary domain of use of *WINSTA*® MIDI pluggable installation connectors with I coding. This pluggable installation connector is designed for a load of up to 25 A. Thus, 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 exemplary electrification. Due to the built-in 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

The *WINSTA*® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose quality and durability – the *WINSTA*® MIDI pluggable installation connector with protection type IP20 from WAGO makes the electrical installation of electrical components visibly easier.

- pluggable installation connectors with protection against mismatching
- simple circuits
- for lighting management
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

Data

Electrical data

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated surge voltage (III/3)	6 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Hinweis für den amerikanischen Markt	Application note for the U.S. market (USR): 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.
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Rated voltage UL 1977	600 V
Rated current UL 1977	23 A

Connection data

Total number of potentials	5
Ground function	preceding ground contact

Connection 1

Number of poles	5
-----------------	---

Physical data

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

Mechanical data

Application	DALI, Lighting Management
Coding	I
Marking	N L DA- DA+
Potential Marking	N 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
Distributor type	Distribution connector (5-way)
Protection class	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

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	c.) plugging while laterally staggered d.) plugging one pole
Locking lever	yes
Locking of plug-in connection	locking lever
Hinweis zur Verriegelung	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

Color	blue
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
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

PU (SPU)	20 Stück
Packaging type	box
Country of origin	DE
GTIN	4055143706940
Customs tariff number	8536694040

Counterpart



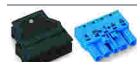
Item no. 770-1105
Socket; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-1105



Item no. 770-1105/022-000
Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-1105/022-000



Item no. 770-1115/022-000
Plug; with strain relief housing; 5-pole; 4,00 mm²; blue

www.wago.com/770-1115/022-000



Item no. 770-1115
Plug; 5-pole; 4,00 mm²; blue

www.wago.com/770-1115

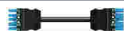
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**Item no.771-9985/106-101**

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; 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 mm²; 1 m; 1,50 mm²; 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 mm²; 1 m; 1,50 mm²; blue

www.wago.com/771-9985/206-101**Downloads****Documentation****Bid Text**

770-1947 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
770-1947 doc - Datei	2018 Mar 21	doc 23.0 kB	Download

Environmental Product Compliance**Compliance Search**

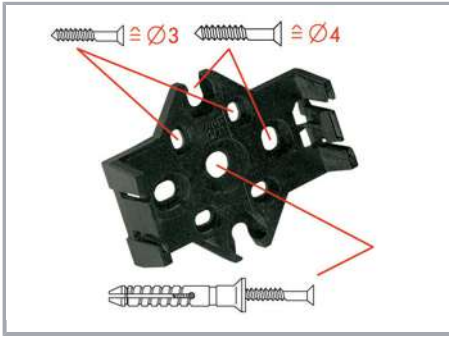
Environmental Product Compliance 770-1947 5-way distribution connector; 5-pole; Cod. I; 1 input; 5 outputs; blue	URL	Download
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Installation Notes**Installation**

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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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