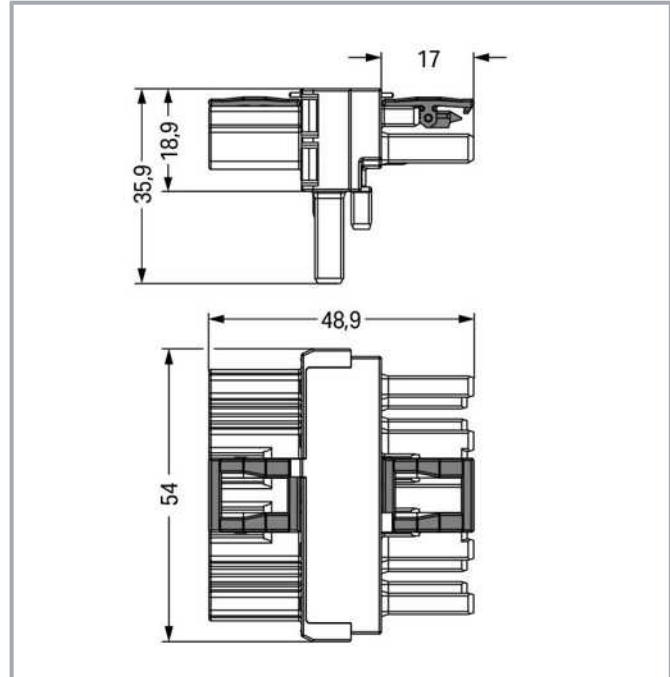
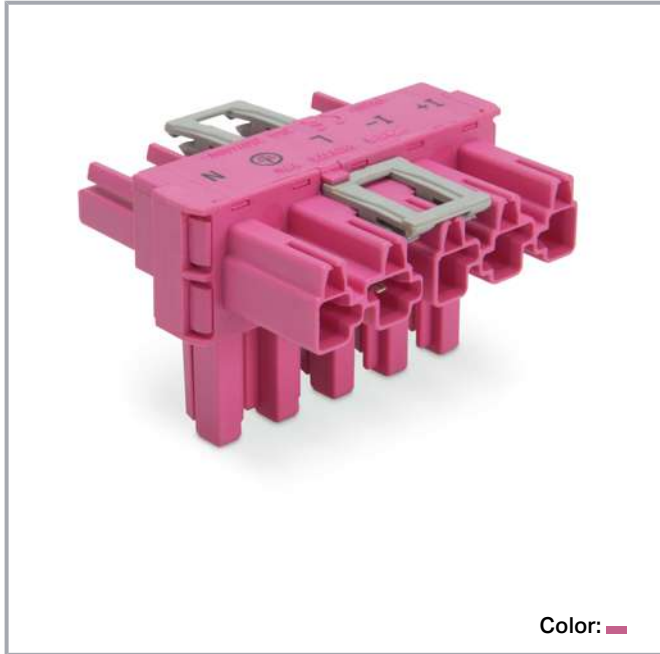


Data sheet | Item number: 770-1643/080-000

T-distribution connector; 5-pole; Cod. B; 1 input; 2 outputs; 2 locking levers;
pink

www.wago.com/770-1643_080-000



Item description

Distribution connector *WINSTA*® MIDI 5-pole

The *WINSTA*® MIDI distribution connector with protection against mismatching is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting.

The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers touch-proof protection with live components in accordance with protection type IP20. Electrical drive types, such as those used in shading systems and sun protection systems, can be activated via the SMI protocol. B coding enables the *WINSTA*® MIDI pluggable installation connectors to be used for control in applications in the domains of automation, robotics, and mechanical engineering. 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 – so it is suitable for powerful loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, secure, tailored electrical installation.

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MIDI

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. Choose durability and quality – the WINSTA® MIDI pluggable installation connector with marking from WAGO makes the installation of electrical components visibly easier.

-
- pluggable installation connectors with protection against mismating
- pre-assembled versions
- for automation controllers
- flexible installation to save space
- 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.
Rated voltage UL 1977	600 V
Rated current UL 1977	23 A

Connection data

Total number of potentials	5
----------------------------	---

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Connection 1

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

Physical data

Pin spacing	10 mm / 0.394 inch
Width	54 mm / 2.126 inch
Height	36.1 mm / 1.421 inch
Depth	48.9 mm / 1.925 inch

Mechanical data

technology	SMI
Application	Measurement and regulation technology
Coding	B
Marking	N L I- I+
Potential Marking	N L I- I+
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	T-distribution connector
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 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

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plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Material data

Color	pink
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Weight	26.2 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

Commercial data

PU (SPU)	50 Stück
Packaging type	box
Country of origin	DE
GTIN	4055143729604
Customs tariff number	85366990990

Other

technology	SMI
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Counterpart



Item no.770-285/080-000

Socket; 5-pole; Cod. B; 4,00 mm²; pink

www.wago.com/770-285/080-000



Item no.771-9935/006-107/080-000

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; pink

www.wago.com/771-9935/006-107/080-000



Item no.771-9935/206-307/080-000

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; H05VV-F 5G 1.5 mm²; 3 m; 1,50 mm²; pink

www.wago.com/771-9935/206-307/080-000



Item no.770-295/080-000

Plug; 5-pole; 4,00 mm²; pink

www.wago.com/770-295/080-000

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Item no.771-9935/106-107/080-000
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; H05VV-F 5G 1.5
mm²; 1 m; 1,50 mm²; pink

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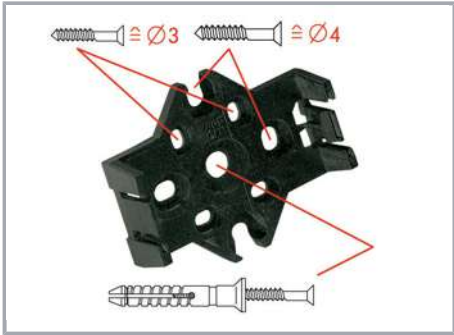
Downloads
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1643/080-000	URL	Download
T-distribution connector; 5-pole; Cod. B; 1 input; 2 outputs; 2 locking levers; pink		

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.

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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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