

## Item description

### Distribution connector *WINSTA*® MIDI with protection type IP20

The *WINSTA*® MIDI distribution connector rated current 25 A supports fast, reliable installation. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in numerous possible uses.

The mechanical coding and color 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. This means that users' fingers will never come into contact with energised elements. The standardised interface for motor control allows easy installation and activation of sun protection and shading systems. B coding enables the *WINSTA*® MIDI pluggable installation connectors to be used for application control in the domains of automation, mechanical engineering and robotics. This pluggable installation connector can be employed for a current 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 precise electrification. Thanks to the built-in test slot, it is possible to check connections even when they are plugged in. That saves time and reduces installation labor and expense.

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



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

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Use of this pre-assembled system reduces assembly times and installation errors at the construction site. Choose quality and durability – the WINSTA® MIDI pluggable installation connector with locking lever from WAGO makes the electrical installation of electrical components significantly easier.

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- pluggable installation connectors with protection against mismating
- pre-assembled versions
- with B coding for controllers, for example lighting fixtures and sun blinds
- 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

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](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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



## Connection 1

Number of poles	5
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## Physical data

Pin spacing	10 mm / 0.394 inch
Width	50 mm / 1.968 inch
Height	36.7 mm / 1.445 inch
Depth	46 mm / 1.811 inch

## Mechanical data

technology	SMI
Application	Measurement and regulation technology
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	Distribution connector, 3-way,
Protection class	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

## Plug-in connection

Mismating protection	Yes
Note on mismating protection	All WINSTA <sup>®</sup> 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
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	4

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

## Material data

Color	pink
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.736 MJ
Weight	44.3 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)	25 Stück
Packaging type	box
Country of origin	DE
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](http://www.wago.com/770-285/080-000)



**Item no. 770-295/080-000**  
Plug; 5-pole; 4,00 mm²; pink

[www.wago.com/770-295/080-000](http://www.wago.com/770-295/080-000)



**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](http://www.wago.com/771-9935/006-107/080-000)



**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

[www.wago.com/771-9935/106-107/080-000](http://www.wago.com/771-9935/106-107/080-000)



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

[www.wago.com/771-9935/206-307](http://www.wago.com/771-9935/206-307)

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



pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; H05VV-F 5G 1.5 mm<sup>2</sup>; /080-000  
3 m; 1,50 mm<sup>2</sup>; pink

Downloads  
Documentation

Bid Text

770-1746/080-000 X81 - Datei	2019 Feb 19	xml 2.9 kB	Download
770-1746/080-000 doc - Datei	2017 Sep 29	doc 23.6 kB	Download

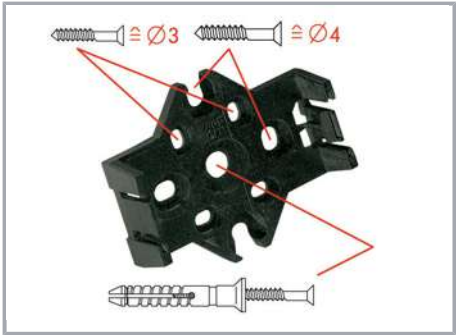
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1746/080-000 3-way distribution connector; 5-pole; Cod. B; 1 input; 3 outputs; pink	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.

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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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