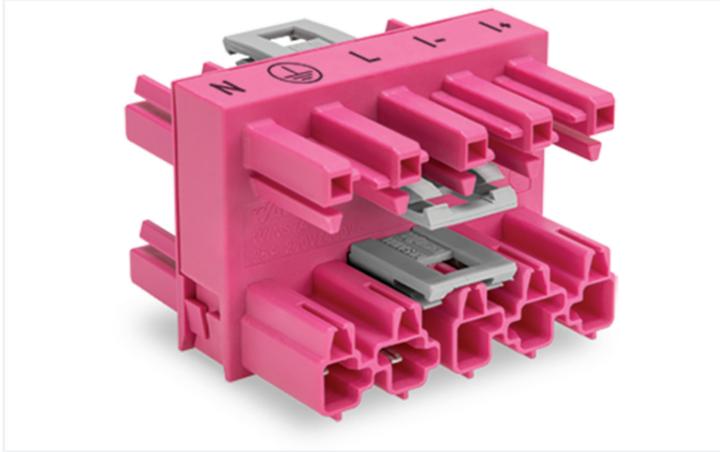


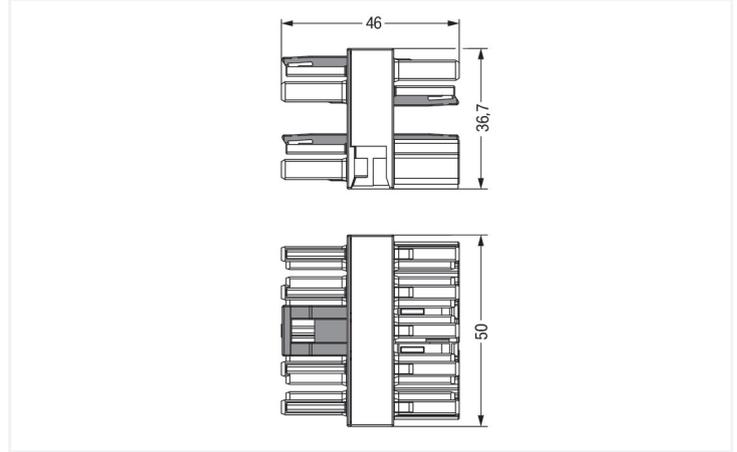
Data Sheet | Item Number: 770-1746/080-000

3-way distribution connector; 5-pole; Cod. B; 1 input; 3 outputs; pink

<https://www.wago.com/770-1746/080-000>



Color: ■ pink



Dimensions in mm

Distribution connector *WINSTA*® MIDI with protection against mismatching

The *WINSTA*® MIDI distribution connector with protection against mismatching is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. 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 next to no time. 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 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!)). The SMI (Standard Motor Interface) protocol is an interface for activating electrical drives, such as those built into sun protection equipment (roller shutters or sun blinds). Pluggable installation connectors with B coding from the *WINSTA*® MIDI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Usage-specific pole marking is possible as well. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They tell us about the product's domains of use. This product has a current rating of 25 A – as a result it is also suitable for robust loads. The *WINSTA*® MIDI product line offers maximum flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility and customization for meeting an enormous variety of installation requirements.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with locking lever from WAGO.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with B coding for controllers such as sun blinds and lighting fixtures
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

Notes

Variants:

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Ratings per IEC/EN – Notes

Rated current (note)	25 A for 3-pole load 20 A for 4- and 5-pole load
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Approvals per

UL 1977

Rated voltage	600 V
Rated current	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
----------------------------	---

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	36.7 mm / 1.445 inches
Depth	46 mm / 1.811 inches

Mechanical data

Technology	SMI
Use	Control 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
Type of distribution box	Distribution connector, 3-way
Protection type	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 <i>WINSTA</i> ® 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
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	4

Material data

Note (material data)	Information on material specifications can be found here
Color	pink
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	0.772 MJ
Weight	44.4 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

Product Group	20 (Winsta)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143082754
Customs tariff number	85366990990

Product Classification

UNSPSC	39121406
ETIM 9.0	EC002567
ETIM 10.0	EC002567
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 770-1746/080-000	↓

Documentation

Bid Text				
770-1746/080-000	19.02.2019	xml 2.81 KB		↓
770-1746/080-000	29.09.2017	doc 23.00 KB		↓
ausschreiben.de 770-1746/080-000				↓

CAD/CAE-Data

CAD data	
2D/3D Models 770-1746/080-000	↓

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



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



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



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

1.1.2 Female connector/socket



Item No.: 770-285/080-000
Socket; 5-pole; Cod. B; 4,00 mm²; pink

1.1.3 Male connector/plug



Item No.: [770-295/080-000](#)

Plug; 5-pole; Cod. B; 4,00 mm²; pink

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: [770-201](#)

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



Item No.: [770-221](#)

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

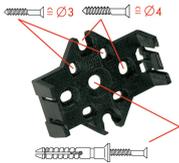


Item No.: [770-360](#)

Lockout cap; for plugs; 5-pole; separable; yellow

Installation Notes

Installation



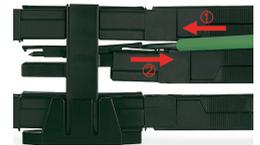
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.