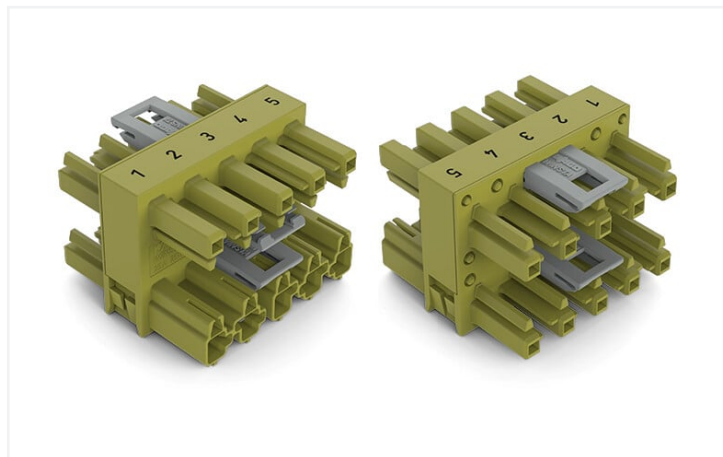


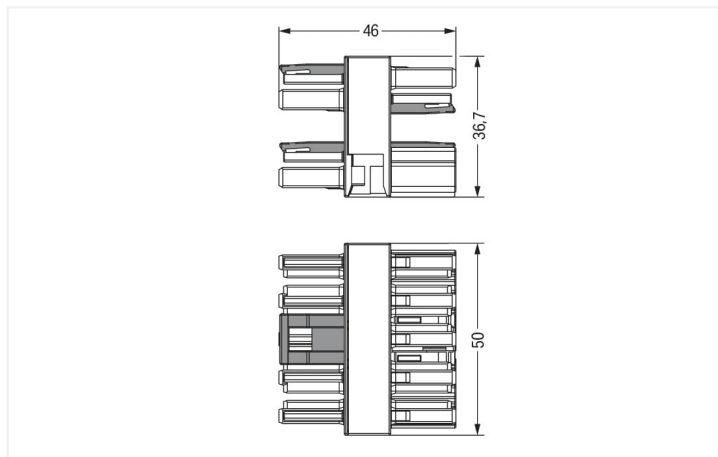
Data Sheet | Item Number: 770-1745

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

<https://www.wago.com/770-1745>



Color: ■ light green



Dimensions in mm

Distribution connector WINSTA® MIDI B coding

The WINSTA® MIDI distribution connector B coding supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology work completely 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 against ingress by solid objects in accordance with protection type IP20 (When mated: IP2x0 (These compact connectors are not designed for use in open, easily accessible areas!)). Solutions like the WINSTA® MIDI pluggable installation connectors with B coding are appropriate for applications involving process control, such as for lighting or within data networks. This pluggable installation connector can be used for a load of up to 25 A. Thus, it can also be used for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, secure, tailored electrical installation.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology tool! Plan your installation with WINSTA® MIDI pluggable installation connectors with protection type IP20 from WAGO.

- protection against mismatching eliminates errors
- pre-assembled versions
- for automation controllers
- exact dimensions
- 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 surge voltage	6 kV	-	-
Rated current	25 A	-	-

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

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

Application	Control technology
Coding	B
Marking	1 2 3 4 5
Potential marking	1 2 3 4 5
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 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
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	light green
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.764 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

Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821687696
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 1977	E45171
cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 770-1745	↓

Documentation

Bid Text

770-1745	19.02.2019	xml 2.73 KB	
770-1745	12.03.2015	doc 23.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models
770-1745



CAE data

WSCAD Universe
770-1745



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



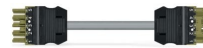
Item No.: [771-9995/205-105](#)

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm²; light green



Item No.: [771-9995/105-105](#)

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm²; light green



Item No.: [771-9995/005-105](#)

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m; 1,00 mm²; light green

1.1.2 Female connector/socket



Item No.: [770-265](#)

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

1.1.3 Male connector/plug



Item No.: [770-275](#)

Plug; 5-pole; Cod. B; 4,00 mm²; light green

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

1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 770-625

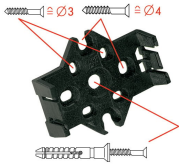
Mounting plate; 5-pole; for distribution connectors; Plastic; black

Item No.: 770-675

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

Installation Notes

Installation



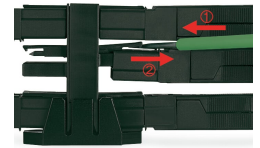
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.