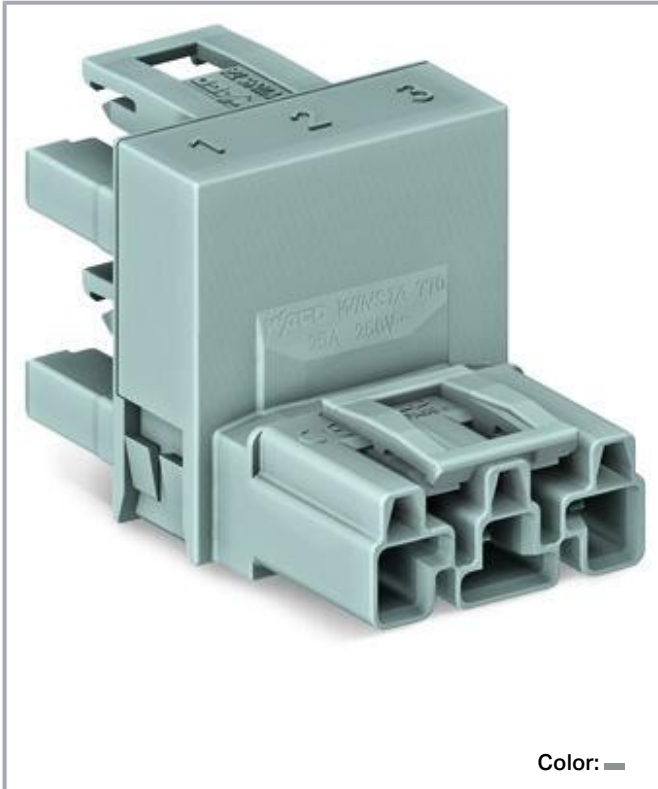


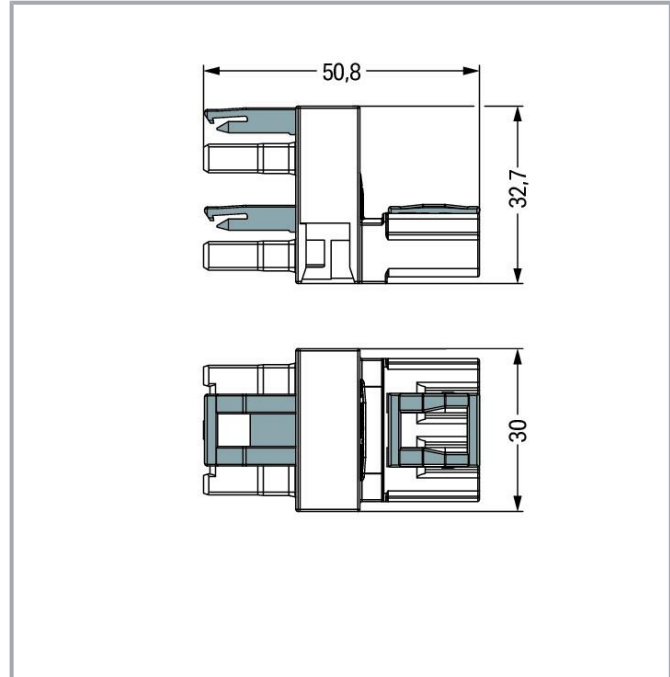
Data sheet | Item number: 770-1761

h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; gray

www.wago.com/770-1761



Color: —



Item description

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

The **WINSTA®** MIDI distribution connector B coding is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in a large number of 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 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This means that users' fingers will never come into contact with energised contact elements. Solutions like the **WINSTA®** MIDI pluggable installation connectors with B coding are appropriate for applications involving process control, for example, for lighting or in data networks. This pluggable installation connector is used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. **WINSTA®** MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in can be found in a variety of projects you can use for quick, easy, flexible,

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

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and secure installation.

WINSTA® MIDI solutions for your electrical installation – protected against mismatching and maintenance-free

The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also cut installation costs without compromising safety and quality: with protection against mismatching eliminates the need for servicing and prevents unnecessary downtime.

-
- pluggable installation connectors with protection against mismatching
- pre-assembled versions
- for automation controllers
- custom-engineered solutions
- rapid, structured electrical installation

Data 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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL 1977

Note for the US market	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

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Rated current UL 1977

23 A

General information

Note on contact resistance

approx. 1 mΩ of contact resistance
approx. 0.25 mΩ contact transition plug/socket

Connection data

Total number of potentials

3

Connection 1

Pole number

3

Physical data

Pin spacing

10 mm / 0.394 inches

Width

30 mm / 1.181 inches

Height

32.7 mm / 1.287 inches

Depth

51 mm / 2.008 inches

Mechanical Data

Application

Control technology

Coding

B

Marking

1 2 3

Potential marking

1 2 3

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

h-distribution connector, outputs at one end

Protection type

IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Suitable

for flying leads

Plug-in connection

Contact type (pluggable connector)

Socket/plug

Mismating protection

Yes

Note on mismating protection

All WINSTA[®] components are 100% protected against mismating

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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	

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.432 MJ
Weight	22.8 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)	50 pcs
Packaging type	box

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Country of origin	DE
GTIN	4050821702252
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171
	cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Counterpart



Item no.770-243

Socket; 3-pole; Cod. B; 4,00 mm²; gray

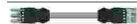
www.wago.com/770-243



Item no.770-253

Plug; 3-pole; Cod. B; 4,00 mm²; gray

www.wago.com/770-253



Item no.771-9993/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm²; 1 m; 1,00 mm²; gray

www.wago.com/771-9993/005-103



Item no.771-9993/105-103

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm²; 1 m; 1,00 mm²; gray

www.wago.com/771-9993/105-103



Item no.771-9993/205-103

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm²; 1 m; 1,00 mm²; gray

www.wago.com/771-9993/205-103

Optional accessories

Cover

Cover

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

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Item no.: 770-360
Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360



Item no.: 770-201
Lockout cap; 12-pole, separable; for sockets; Plastic; black

www.wago.com/770-201



Item no.: 770-221
Lockout cap; 12-pole, separable; for sockets; Plastic; white

www.wago.com/770-221

Mounting

Mounting accessories



Item no.: 770-623
Mounting plate; 3-pole; for distribution connectors; Plastic; black

www.wago.com/770-623



Item no.: 770-673
Mounting plate; 3-pole; for distribution connectors; Plastic; white

www.wago.com/770-673

Downloads
Documentation

Bid Text

770-1761 X81 - Datei	2019 Feb 19	xml 2.9 kB	Download
770-1761 doc - Datei	2015 Mar 12	doc 23.6 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-1761	URL	Download
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CAE data

WSCAD Universe 770-1761	URL	Download
ZUKEN Portal 770-1761	URL	Download

Asset Administration Shell

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1761

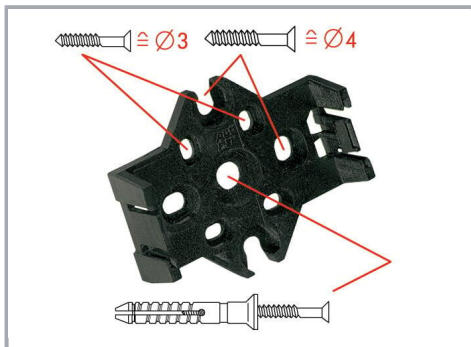
URL

Download

h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; gray

Installation Notes

Installation



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

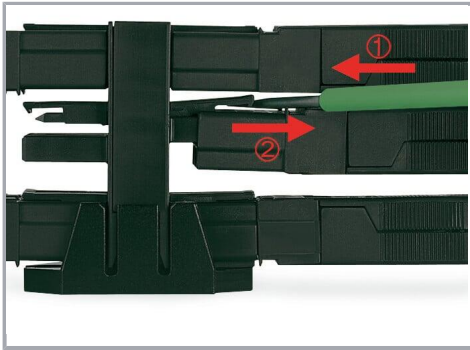


The distribution connectors snap together when attached to the mounting plate.



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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