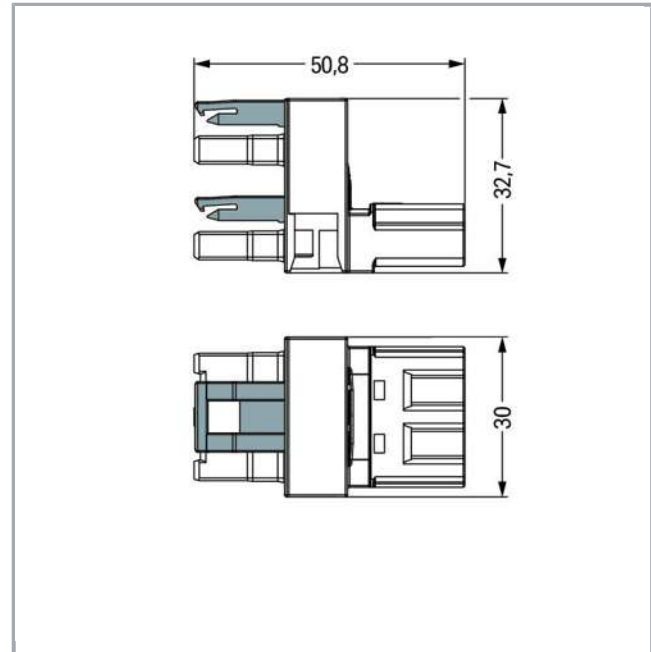


Data sheet | Item number: 770-1661

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

www.wago.com/770-1661



RoHS Compliant

BOMcheck.net

Color:

Item description

- Protected against mismatching and maintenance-free
- Additional variable coding is possible
- Components can be clearly printed on and color-coded to meet custom requirements

Note:

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).

Note on mismatching protection:

All WINSTA[®] components are 100% protected against mismatching when:
a.) plugging different numbers of poles

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

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- b.) plugging while rotated 180
- c.) plugging while laterally staggered
- d.) plugging one pole

Safety information 1:

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.

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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Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated 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

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	23 A

Connection data

No. of poles	3
Total number of potentials	3

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	30 mm / 1.181 inch
Height	32,7 mm / 1.287 inch
Depth	51 mm / 2.008 inch

Mechanical data

Coding	B
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

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Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load 100, with resistive load $I_N = 25$ A, tested (4 mm ² /AWG 12)
Type of distribution connector	h-distribution connector (unidirectional)
Marking	1 2 3
Protection class	IP20
Note on protection class	Only when mated (these compact connectors are not designed for use in open, easily accessible areas).
Potential marking	1 2 3

Plug connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.402 MJ
Weight	23.2 g

Environmental Requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data

Product Group	20 (WINSTA)
Packaging type	BOX
Country of origin	DE
GTIN	4050821685814
Customs Tariff No.	85366990990



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Approvals / Certificates

UL-Approvals



Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171 Sec. 9
	cURus Underwriters Laboratories Inc.	UL 1059	20190731- E45172

Counterpart

	Item no.770-243 Socket; 3-pole; Cod. B; 4,00 mm ² ; gray	www.wago.com/770-243
	Item no.771-9993/005-103 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm ² ; 1 m; 1,00 mm ² ; gray	www.wago.com/771-9993/005-103
	Item no.770-253 Plug; 3-pole; Cod. B; 4,00 mm ² ; gray	www.wago.com/770-253
	Item no.771-9993/105-103 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm ² ; 1 m; 1,00 mm ² ; 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 mm ² ; 1 m; 1,00 mm ² ; gray	www.wago.com/771-9993/205-103

Compatible products

assembling

	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

protection

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**Item no.: 770-201**

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

www.wago.com/770-201**Item no.: 770-221**

Lockout cap; for socket; 12-pole; separable; white

www.wago.com/770-221**Item no.: 770-360**

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

www.wago.com/770-360

Downloads

Documentation

Bid Text

770-1661 GAEB X81 - Datei	Feb 19, 2019	xml 2.8 kB	Download
770-1661 doc - Datei	Nov 27, 2018	doc 23.6 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-1661	URL	Download
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CAE data

WSCAD Universe 770-1661	URL	Download
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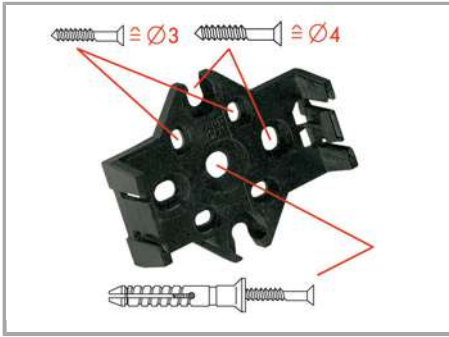
Installation Notes

Installation

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The mounting plate for distribution connectors can be mounted using commercially available screws or nail-drive anchors.



The distribution connectors are latched when mounted on the mounting plate.



To release the distribution connector, unlock the latch using a screwdriver.



All distributor 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 in use.

Product family

WINSTA® MIDI special

[Show all products from the family](#)

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