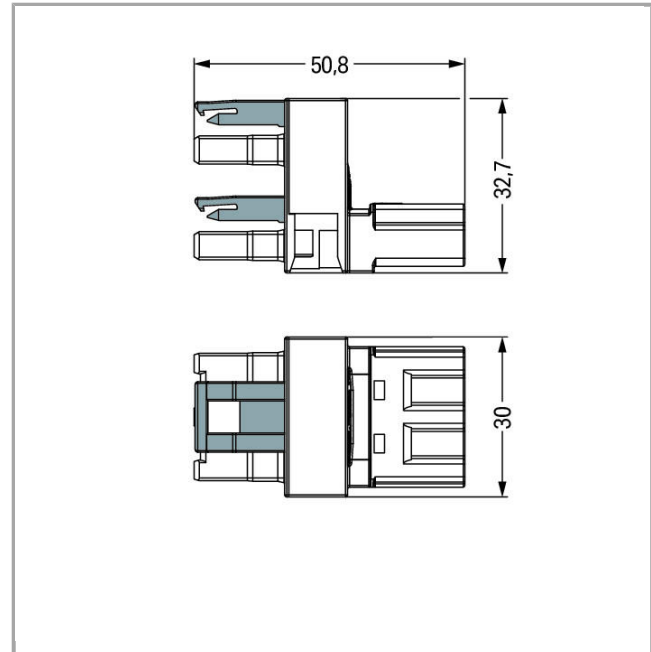
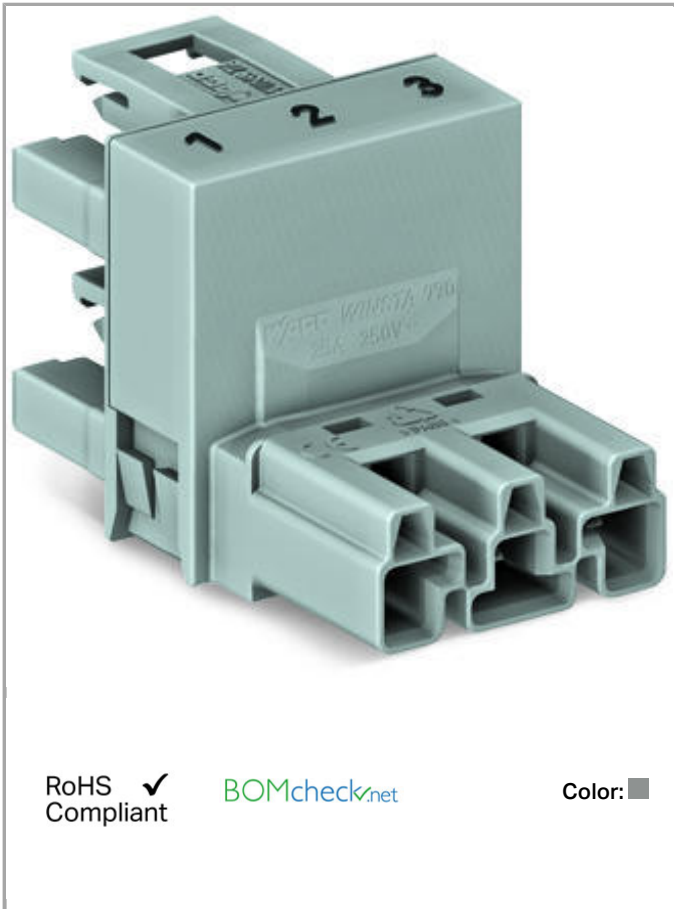


Data sheet | Item number: 770-1661

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



770-1661



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ■

Item description

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- 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).

**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. 1mΩ contact resistance

approx. 0.25mΩ contact transition plug/socket

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	25 A

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
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 $I_N = 25A$, tested (4 mm²/AWG 12)

Type of distribution connector	h-distribution connector, unidirectional
Marking	1 2 3
Protection class	IP20
Note on protection class	Only in mated condition (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
Mismatching protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

Material Data

Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Fire load	0.402 MJ
Weight	23.228 g

Environmental Requirements

Surrounding air (operating) temperature	-35 ... 85 °C
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)
Country of origin	DE
GTIN	4050821685814
Customs Tariff No.	85366990990

Approvals / Certificates

UL-Approvals

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



cURus

UL 1059

E45172



Underwriters Laboratories Inc.

Compatible products

assembling



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

770-623



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

770-673

protection



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

770-201



Item no.: 770-221
Lockout cap; for socket; 12-pole; separable

770-221



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

770-360

Downloads

Documentation

Bid Text

770-1661

doc
23.6 kB

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CAD/CAE - Smart Data

CAD data

3D Download 770-1661

URL

Download



Subject to changes.
