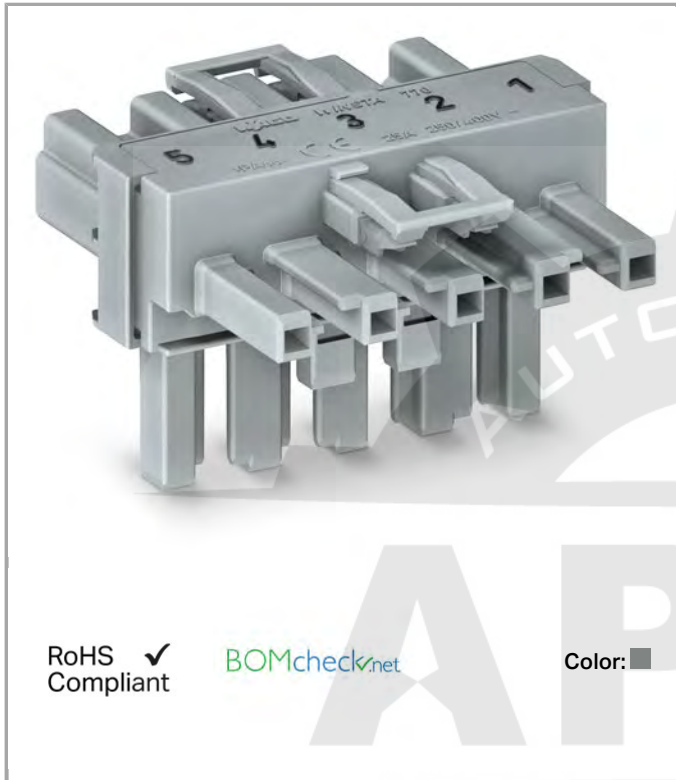


Data sheet | Item number: 770-1641

T-distribution connector; 5-pole; Cod. B; 1 input; 2 outputs; 2 locking levers;
gray



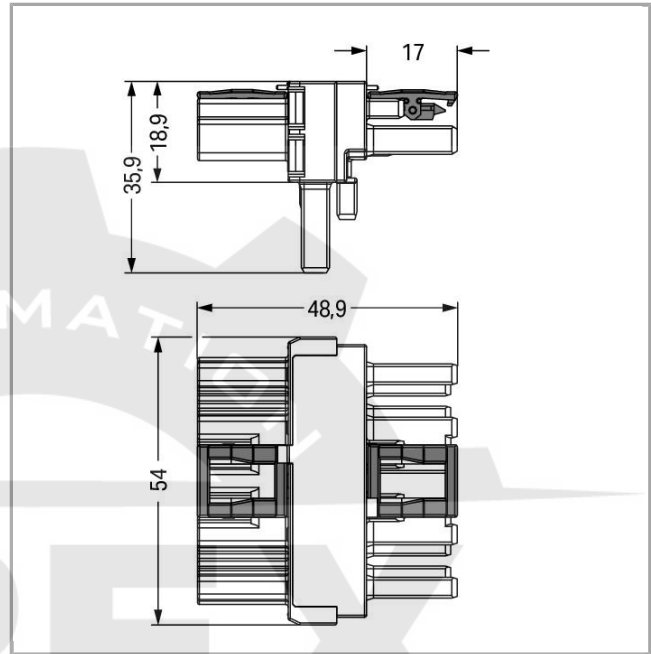
770-1641



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).

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
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Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 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

Total number of potentials	5
No. of poles	5

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	54 mm / 2.126 inch
Height	36.1 mm / 1.421 inch
Depth	48.9 mm / 1.925 inch

Mechanical data

Coding	B
Mating force of a plug-in connection	ca. 20 70 N (polzahlabhängig)
Retention force of a plug-in connection	When locked: > 80 N
Unmating force of a plug-in connection	ohne Verriegelung: ca. 20 70 N (polzahlabhängig)
Number of mating cycles	200, without resistive load 100, with resistive load $I_N = 25A$, tested (4 mm ² /AWG 12)

Type of distribution connector	T-distribution connector
Marking	1 2 3 4 5
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 4 5
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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)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Fire load	0.513 MJ
Weight	26.216 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)
Country of origin	DE
GTIN	4050821702153
Customs Tariff No.	85366990990

Approvals / Certificates

Other Approvals

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


UL-Approvals

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






Compatible products

assembling

	Item no.: 770-354 Mounting carrier; 5-pole; for distribution connectors	770-354
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protection

	Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets; black	770-201
	Item no.: 770-221 Lockout cap; for socket; 12-pole; separable; white	770-221
	Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable; yellow	770-360

Downloads
Documentation

Bid Text

770-1641	doc 23.6 kB	Download
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CAD/CAE - Smart Data
WSCAD

WSCAD Universe	Download
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Subject to changes.