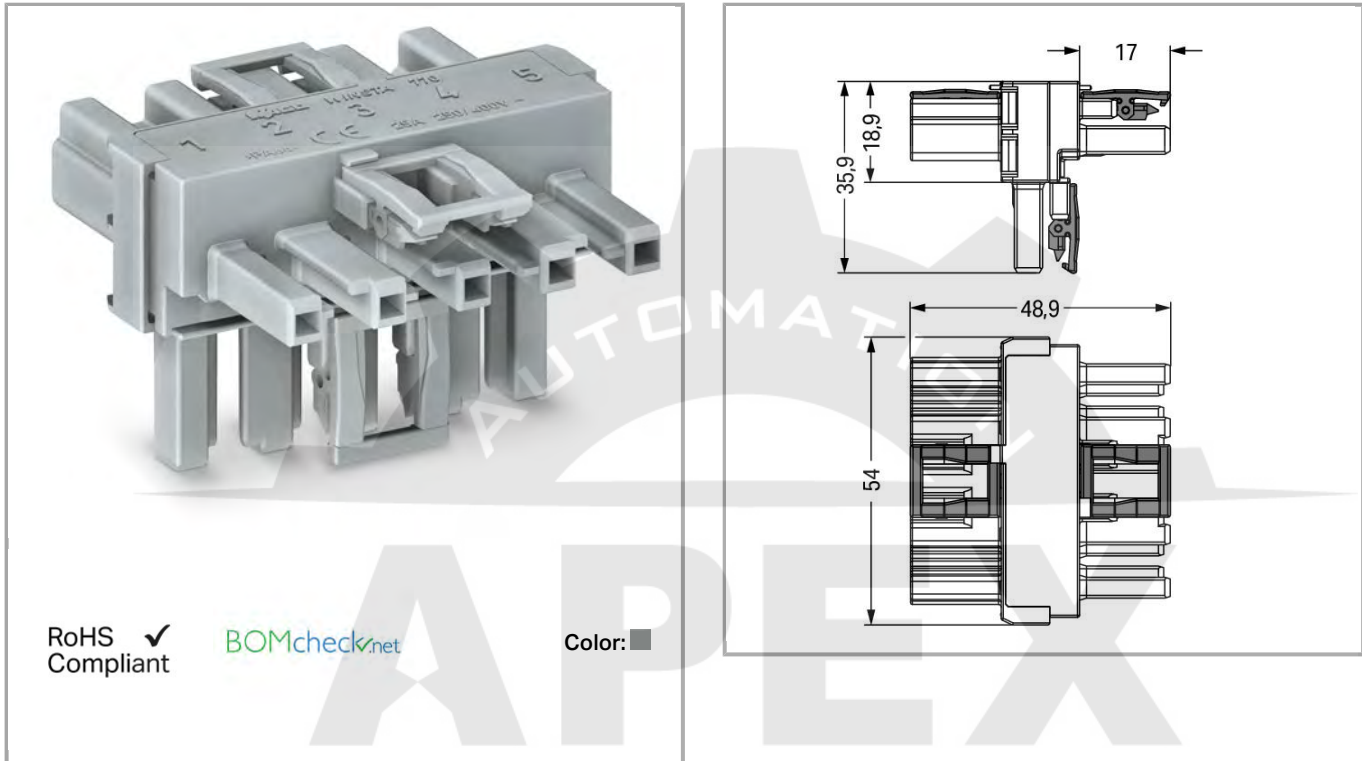


## Data sheet | Item number: 770-1741

T-distribution connector; 5-pole; Cod. B; 1 input; 2 outputs; 3 locking levers;  
for flying leads; gray



770-1741



### Item description

- Protected against mismating 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

**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 <sup>2</sup> /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

**Plug connection**

Contact type (pluggable connector)	Socket/plug
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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	0.526 MJ
Weight	26.656 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	4050821702221
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

770-1741	doc 23.6 kB	Download
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## CAD/CAE - Smart Data

## WSCAD

WSCAD Universe	Download
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Subject to changes.