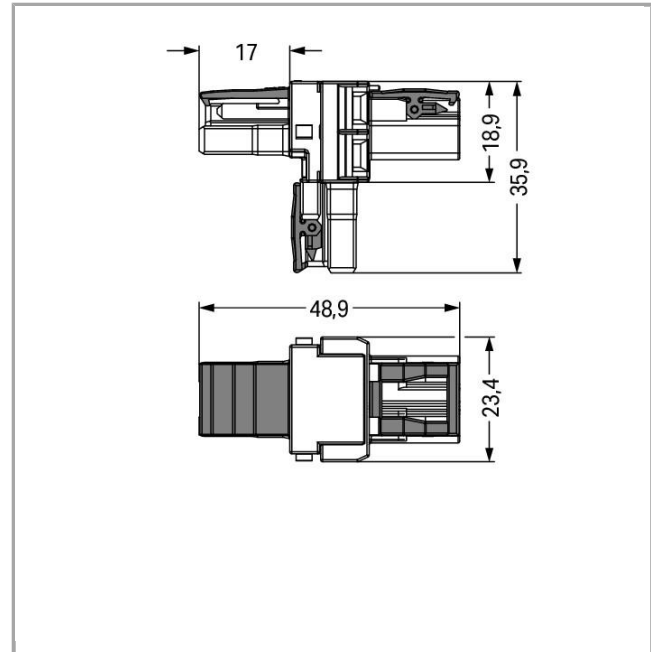
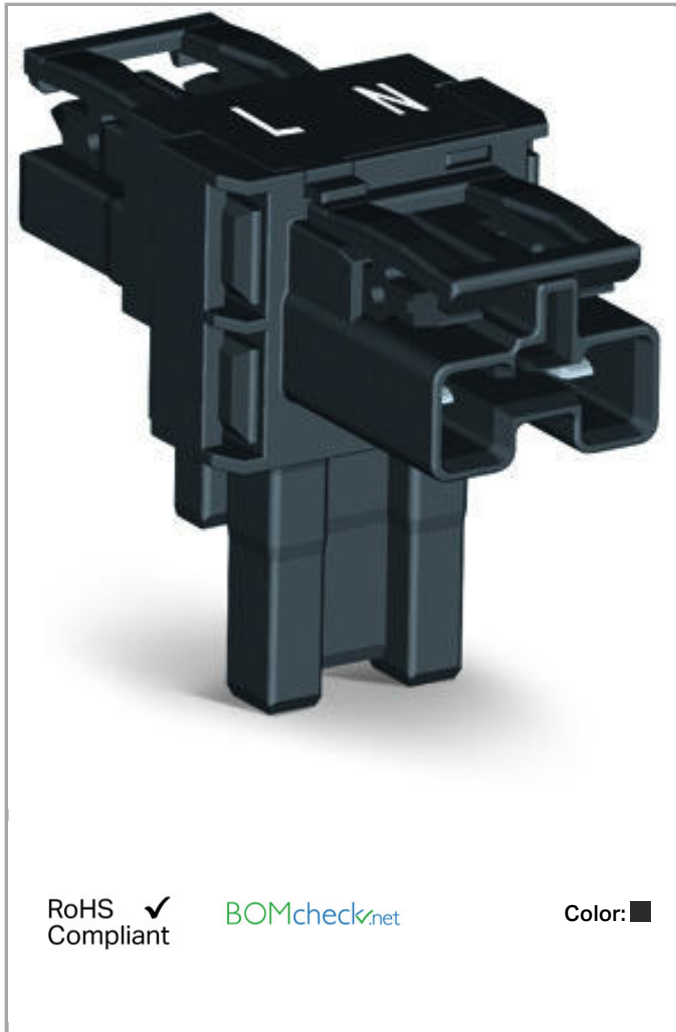


## Data sheet | Item number: 770-1615

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



770-1615



### 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

### 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	2
Total number of potentials	2

**Geometrical Data**

Pin spacing	10 mm / 0.394 inch
Width	23.5 mm / 0.925 inch
Height	36.1 mm / 1.421 inch
Depth	48.9 mm / 1.925 inch

**Mechanical data**

Coding	A
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 mm<sup>2</sup>/AWG 12)

Type of distribution connector	T-distribution connector
Marking	L N
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	L N

### Plug connection

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

### Material Data

Color	black
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Fire load	0.236 MJ
Weight	11.464 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 $\leq 105$ °C

### Commercial data

Product Group	20 (WINSTA)
Country of origin	DE
GTIN	4050821531180
Customs Tariff No.	85366990990

### Approvals / Certificates

#### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name



cURus  
Underwriters Laboratories Inc.

UL 1977

E45171  
Sec. 9

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## Compatible products

### assembling



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

770-354

### 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

770-1615

doc  
23.0 kB

[Download](#)

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Subject to changes.