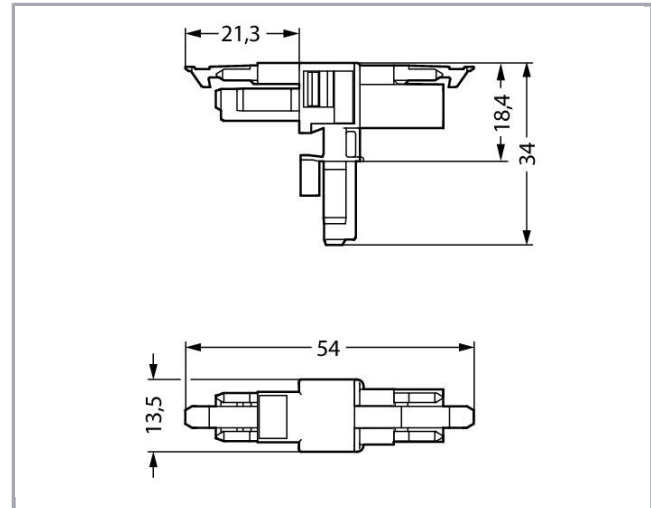
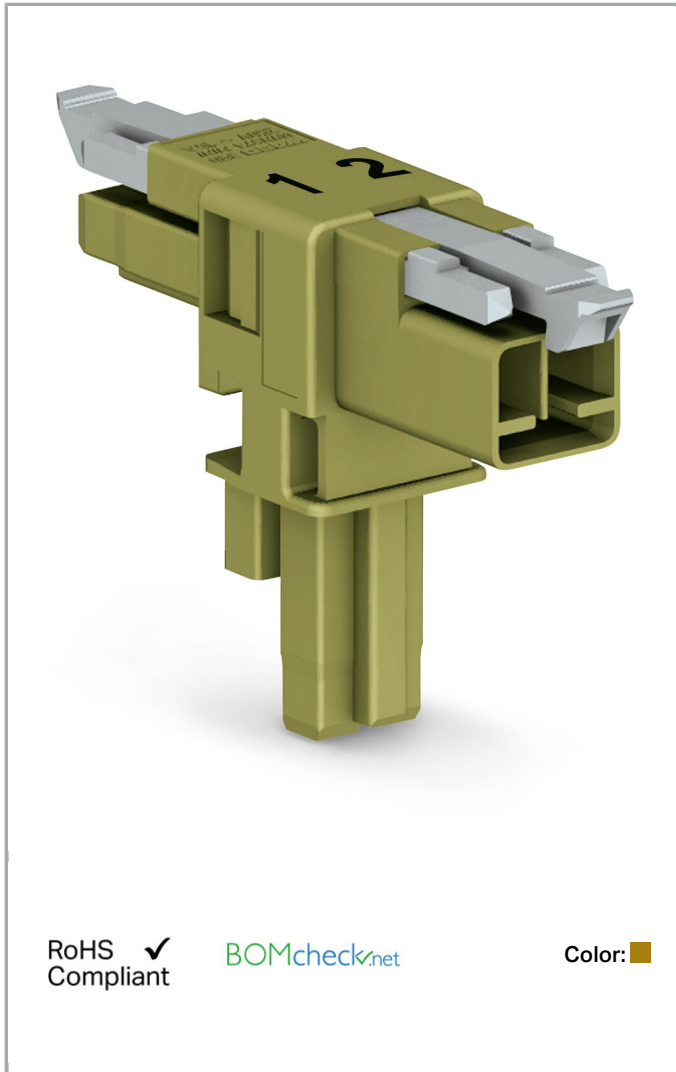


## Data sheet | Item number: 890-1602

T-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; 2 locking levers;  
light green

[www.wago.com/890-1602](http://www.wago.com/890-1602)



### Item description

- Protected against mismatching and maintenance-free
- Compact design with 4.4 mm pole spacing
- 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-subject to changes. Please also observe the further product documentation!

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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<sup>®</sup> components are 100% protected against mismatching when:

- a.) plugging different numbers of poles
- 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 5 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

### 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	16 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)	14 A

### Connection data

No. of poles	2
Total number of potentials	2

### Geometrical Data

Pin spacing	4,4 mm / 0.173 inch
Width	13,5 mm / 0.531 inch
Height	39,65 mm / 1.561 inch
Depth	53,9 mm / 2.122 inch

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## 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 $I_N = 16$ A, tested (1.5 mm <sup>2</sup> /16 AWG)
Type of distribution connector	T-distribution connector
Marking	1 2
Protection class	IP20
Note on protection class	IP40 when mated
Potential marking	1 2

## Plug connection

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

## Material Data

Color	light green
Insulating material	Polyamide 66 (PA 66)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.124 MJ
Weight	5.9 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)
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Packaging type	BOX
Country of origin	DE
GTIN	4050821560050
Customs Tariff No.	85366990990

## Counterpart



### Item no.890-262

Socket; 2-pole; Cod. B; 1,50 mm<sup>2</sup>; light green

[www.wago.com/890-262](http://www.wago.com/890-262)



### Item no.890-272

Plug; 2-pole; 1,50 mm<sup>2</sup>; light green

[www.wago.com/890-272](http://www.wago.com/890-272)



### Item no.891-8992/005-105

pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. B; Control cable 2 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; light green

[www.wago.com/891-8992/005-105](http://www.wago.com/891-8992/005-105)



### Item no.891-8992/105-105

pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; light green

[www.wago.com/891-8992/105-105](http://www.wago.com/891-8992/105-105)



### Item no.891-8992/205-105

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; light green

[www.wago.com/891-8992/205-105](http://www.wago.com/891-8992/205-105)

## Downloads

### CAD/CAE-Data

#### CAE data

WSCAD Universe 890-1602	URL	Download
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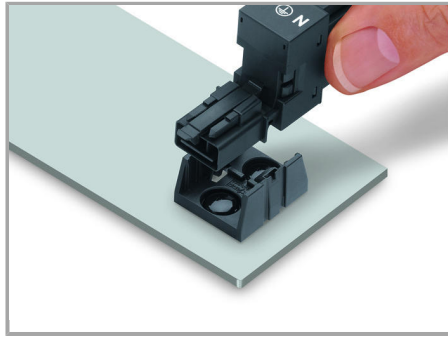
## Installation Notes

### Installation

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

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Secure the mounting plate via pins.

## Product family

**<i>WINSTA</i>® MINI special**

[Show all products from the family](#)

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