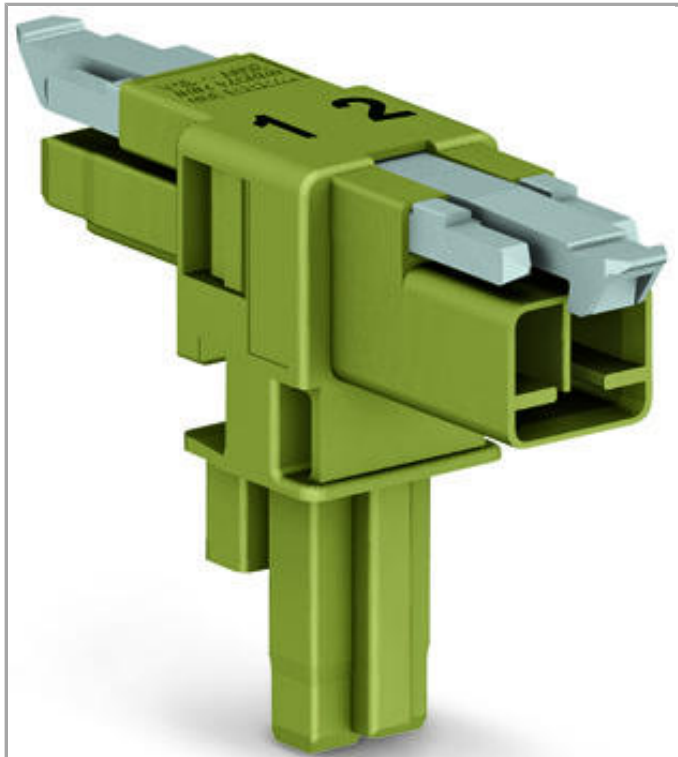


## Data sheet | Item number: 890-1602

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



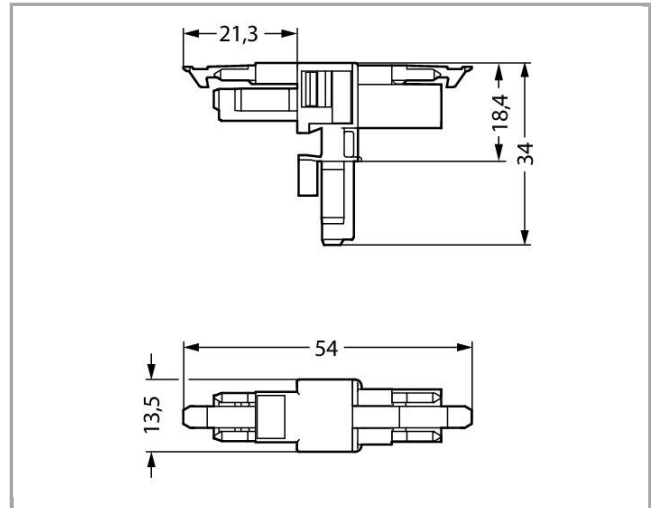
890-1602



RoHS  
Compliant

BOMcheck.net

Color:



### Item description

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- 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-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 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. 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                   | 16 A  |

### 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  |

### 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<br><br>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               | Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.)  |
| 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)                    |
| Flammability class per UL94 | V0                                      |
| Contact material            | Copper or copper alloy, surface-treated |
| Fire load                   | 0.124 MJ                                |
| Weight                      | 5.916 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               | 4050821560050 |
| Customs Tariff No. | 85366990990   |



Downloads  
Documentation  
Bid Text

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| 890-1602 | doc<br>23.0 kB | Download |
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Subject to changes.

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