

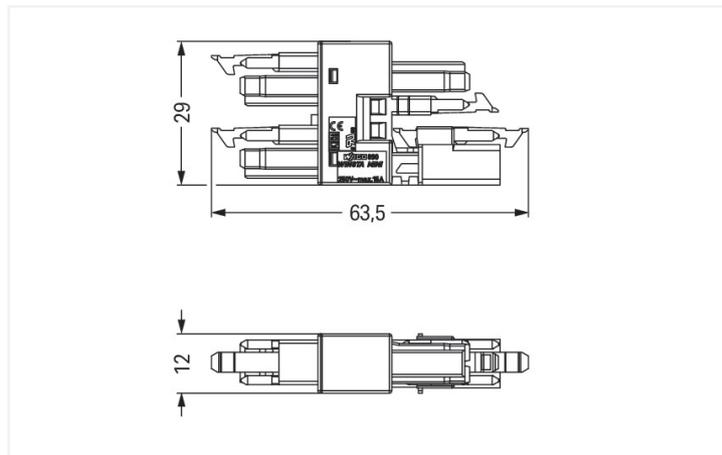
## Data Sheet | Item Number: 890-1904

3-way distribution connector; 2-pole; Cod. I; 1 input; 3 outputs; blue

<https://www.wago.com/890-1904>



Color: ■ blue



Dimensions in mm

### Distribution connector WINSTA® MINI 2-pole

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MINI distribution connector with protection against mismatching. Our pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow flexible, error-free installation in numerous possible uses. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. Controlled lighting equipment, as implemented in the DALI standard, for instance, is the main use of WINSTA® MINI pluggable installation connectors with I coding. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, since due to LED technology, these offer less and less space for the connection technology.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology tool! Plan your installation with with protection type IP20 from WAGO.

- pluggable installation connectors with protection against mismatching
- consistent IP40 protection
- with I coding for lighting control (DALI standard)
- ready to install and use immediately
- convenient installation and commissioning

### Electrical data

| Ratings per                     | IEC/EN 60664-1 |     |    |
|---------------------------------|----------------|-----|----|
| Overvoltage category            | III            | III | II |
| Pollution degree                | 3              | 2   | 2  |
| Nominal voltage                 | 250 V          | -   | -  |
| Rated impulse withstand voltage | 4 kV           | -   | -  |
| Rated current                   | 16 A           | -   | -  |

| Approvals per | UL 1977 |
|---------------|---------|
| Rated voltage | 600 V   |
| Rated current | 14 A    |

### General information

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
|----------------------------|--|

### Connection Data

|                            |   |                     |   |
|----------------------------|---|---------------------|---|
| Total number of potentials | 2 | <b>Connection 1</b> |   |
|                            |   | Pole number         | 2 |

### Physical data

|             |                       |
|-------------|-----------------------|
| Pin spacing | 4.4 mm / 0.173 inches |
| Width       | 12 mm / 0.472 inches  |
| Height      | 29 mm / 1.142 inches  |
| Depth       | 63.5 mm / 2.5 inches  |

### Mechanical data

|   |  |
|---|--|
| Use                                     | DALI, Lighting Management                                |
| Coding                                  | I  |
| Variable coding                         | No   |
| Marking                                 | + -  |
| Potential marking                       | + -  |
| 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  | Unlocked: approx. 20 ... 70 N (depending on pole number) |
| Number of mating cycles                 | 200, without resistive load                              |
| Type of distribution box                | Distribution connector, 3-way                            |
| Protection type                         | IP20; IP40 when mated                                    |

### Plug-in connection

|                               |  |
|-------------------------------|--|
| Mismating protection          | Yes  |
| Note on mismating protection  | All WINSTA® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole  |
| Locking lever                 | Yes  |
| Locking of plug-in connection | Locking lever  |
| Note on locking system        | 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). |
| Number of locking levers      | 4  |

### Material data

|                                    |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | blue   |
| Material group                     | I  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin  |
| Fire load                          | 0.206 MJ   |
| Weight                             | 11.9 g   |

| Environmental requirements               |  |
|--|--|
| Processing temperature                   | -5 ... +40 °C                              |
| Continuous operating temperature         | -35 ... +85 °C                             |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143608718 |
| Customs tariff number | 85366990990   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121406             |
| eCl@ss 10.0            | 27-44-06-03          |
| eCl@ss 9.0             | 27-44-06-03          |
| ETIM 9.0               | EC002567             |
| ETIM 10.0              | EC002567             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

### Approvals / Certificates

#### General approvals



| Approval                                   | Standard | Certificate Name |
|--|----------|------------------|
| cURus<br>Underwriters Laboratories<br>Inc. | UL 1977  | E45171           |

### Downloads

#### Environmental Product Compliance

| Compliance Search                            |                   |
|--|-------------------|
| Environmental Product<br>Compliance 890-1904 | <a href="#">↓</a> |

## Documentation

### Bid Text

|          |            |                 |   |
|----------|------------|-----------------|---|
| 890-1904 | 19.02.2019 | xml<br>2.72 KB  |  |
| 890-1904 | 13.04.2017 | doc<br>22.50 KB |  |

## CAD/CAE-Data

### CAD data

2D/3D Models  
890-1904



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Cable assembly



**Item No.: 891-8982/206-101**

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; blue

**Item No.: 891-8982/106-101**

pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; blue

**Item No.: 891-8982/006-101**

pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; blue

#### 1.1.2 Female connector/socket



**Item No.: 890-1102**

Socket; 2-pole; Cod. I; 1,50 mm<sup>2</sup>; blue

#### 1.1.3 Male connector/plug



**Item No.: 890-1112**

Plug; 2-pole; Cod. I; 1,50 mm<sup>2</sup>; blue

## 1.2 Optional Accessories

### 1.2.1 Installation

#### 1.2.1.1 Mounting accessories



**Item No.: 890-1622**

Mounting plate; 2-pole; for distribution connectors; black



**Item No.: 890-1672**

Mounting plate; 2-pole; for distribution connectors; white

## Installation Notes

### Installation



Secure the mounting plate via pins.