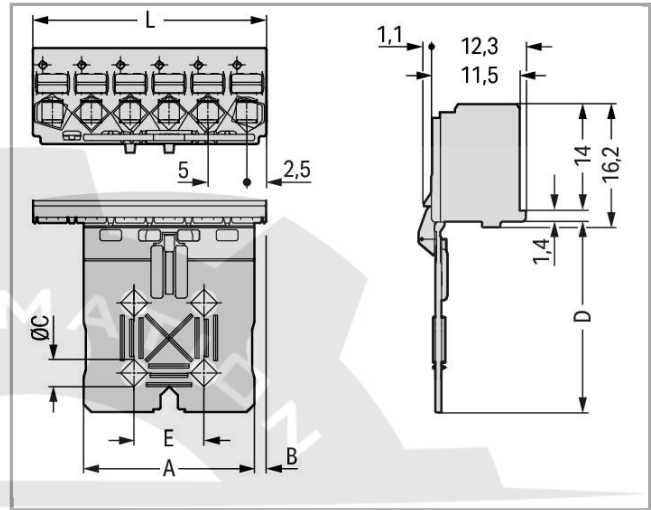
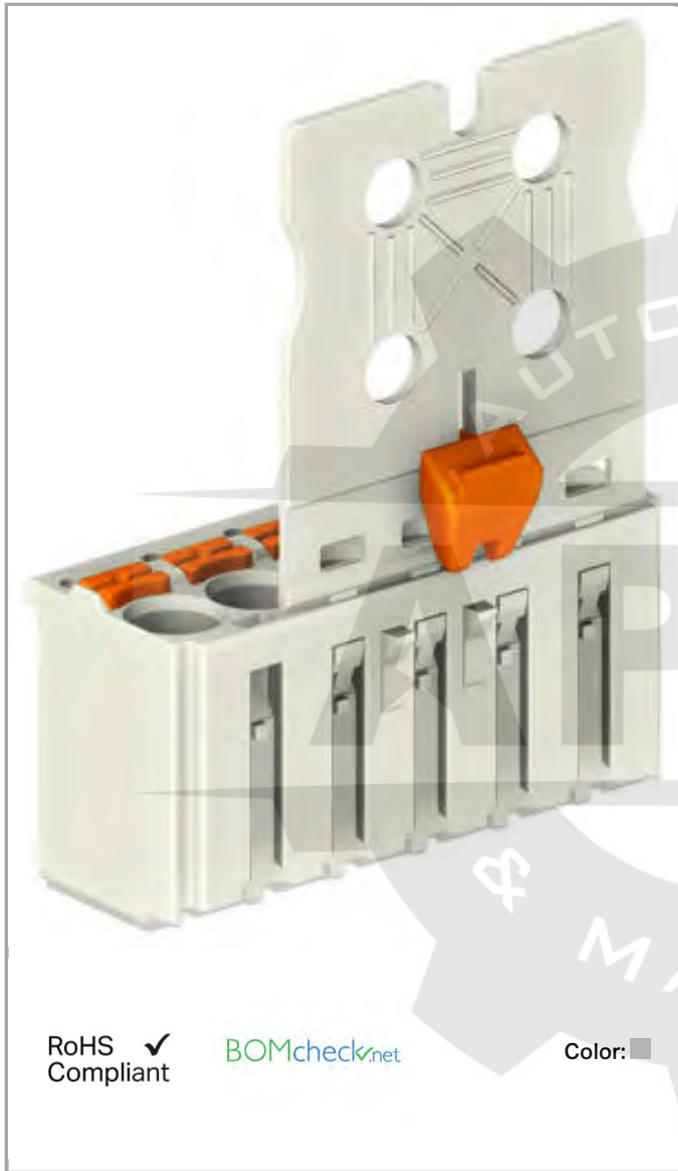


**Data sheet | Item number: 2092-1103/002-000**

1-conductor female plug; Gripping plate sliding connector release; 2.5 mm<sup>2</sup>;  
Pin spacing 5 mm; 3-pole



2092-1103/002-000



RoHS  
Compliant

BOMcheck.net

Color: ■

**Item description**

- Universal connection of all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require special tools
- Ability to wire while mated or unmated
- Testing parallel to conductor entry – tip contact
- Also available with gripping plates

- Integrated locking latches prevent accidental disconnection

#### Safety information 1:

The **picoMAX<sup>®</sup> pluggable connection system** is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 250 V |
| Rated impulse voltage (III / 3) | 4 kV  |
| Rated voltage (III / 2)         | 320 V |
| Rated impulse voltage (III / 2) | 4 kV  |
| Rated voltage (II / 2)          | 630 V |
| Rated impulse voltage (II / 2)  | 4 kV  |
| Rated current                   | 16 A  |

#### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 15 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |

### Connection data

|                                                             |                                             |
|-------------------------------------------------------------|---------------------------------------------|
| Connection technology                                       | Push-in CAGE CLAMP <sup>®</sup>             |
| Actuation type                                              | Push-button                                 |
| Solid conductor                                             | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor                                     | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 ... 1.5 mm <sup>2</sup>                |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 2.5 mm <sup>2</sup>                |
| Strip length                                                | 9 ... 10 mm / 0.35 ... 0.39 inch            |
| No. of poles                                                | 3                                           |
| Total number of connection points                           | 3                                           |
| Total number of potentials                                  | 3                                           |
| Number of connection types                                  | 1                                           |
| Number of levels                                            | 1                                           |

## Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 5 mm / 0.197 inch    |
| Width       | 15 mm / 0.591 inch   |
| Height      | 35.4 mm / 1.394 inch |
| Depth       | 14.4 mm / 0.567 inch |

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for conductors          |
| Mismating protection               | No                      |

## Material Data

|                             |                                   |
|-----------------------------|-----------------------------------|
| Color                       | light gray                        |
| Material group              | I                                 |
| Insulating material         | Polyphthalamide (PPA GF)          |
| Flammability class per UL94 | V0                                |
| Clamping spring material    | Chrome nickel spring steel (CrNi) |
| Contact material            | Electrolytic copper ( $E_{Cu}$ )  |
| Contact plating             | tin-plated                        |
| Fire load                   | 0.074 MJ                          |
| Weight                      | 3.06 g                            |

## Environmental Requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
|-------------------------|-----------------|

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4050821411710 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval                               | Additional Approval Text | Certificate name |
|------|----------------------------------------|--------------------------|------------------|
|      | <b>CB</b><br>DEKRA Certification B.V.  | IEC 61984                | NL-49737         |
|      | <b>CSA</b><br>DEKRA Certification B.V. | C22.2                    | 2362521          |



KEMA/KEUR  
 DEKRA Certification B.V.

IEC 61984

71-  
 102261

## UL-Approvals

| Logo                                                                             | Approval                                | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |
|  | UR<br>Underwriters Laboratories Inc.    | UL 1977                  | 20170428-E45171  |

## Compatible products

### tools



Item no.: 210-719  
 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

210-719

### check



Item no.: 735-500  
 Test pin; 1 mm Ø; with solder connection for test wire

735-500

## Downloads

### Documentation

#### Additional Information

pdf  
 3.6 MB

Download

## CAD/CAE - Smart Data

### CAD data

3D Download 2092-1103/002-000

URL

Download

## Product family

### **picoMAX**

Learn more about the product family.

Show all products from the family



Subject to changes.

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