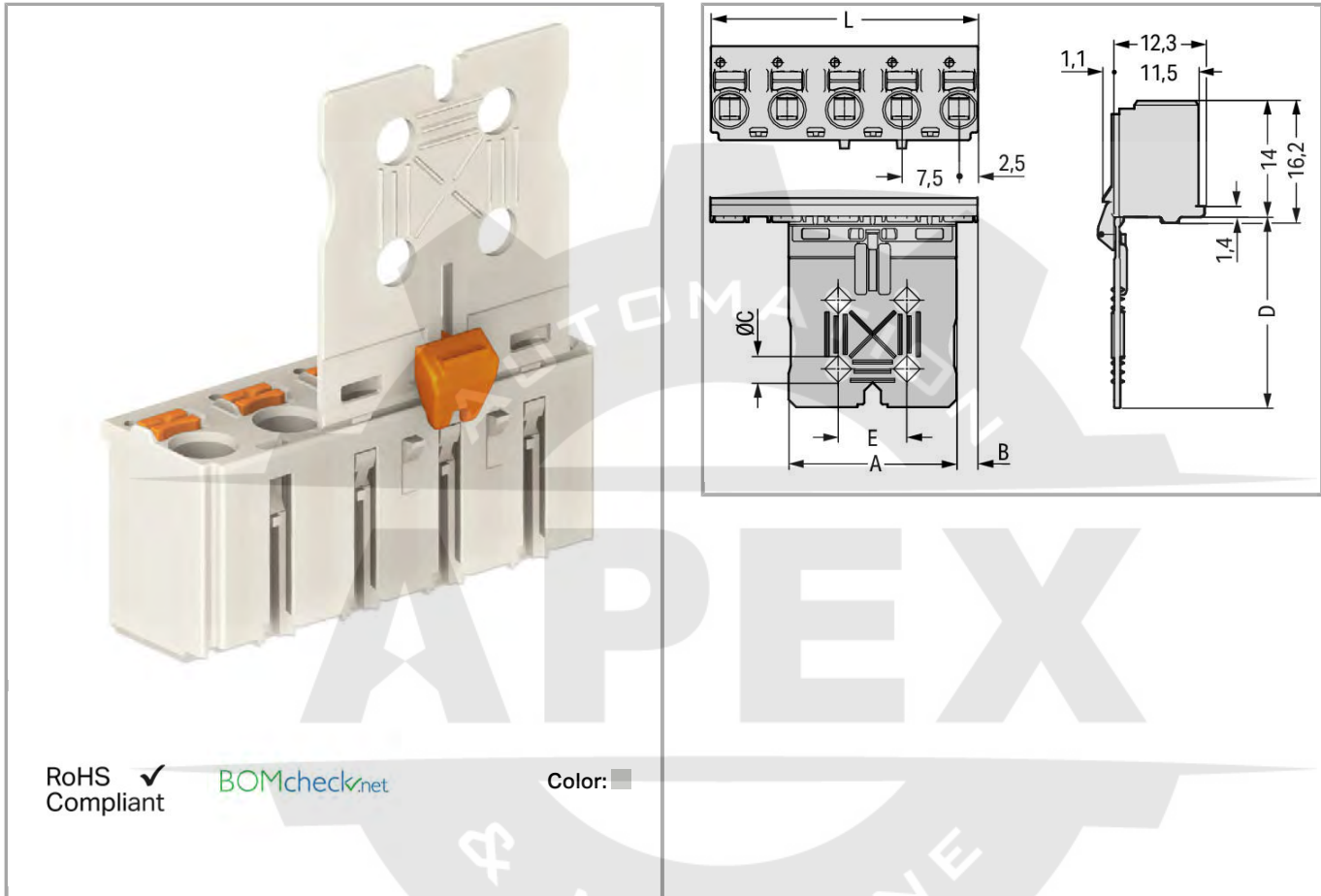


## Data sheet | Item number: 2092-3103/002-1000

1-conductor female plug; Gripping plate sliding connector release; direct marking; 2.5 mm<sup>2</sup>; Pin spacing 7.5 mm; 3-pole; 2,50 mm<sup>2</sup>; light gray



2092-3103\_002-1000



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® 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)         | 400 V |
| Rated impulse voltage (III / 3) | 6 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 |

### Connection data

|                                                             |                          |
|-------------------------------------------------------------|--------------------------|
| Connection technology                                       | Push-in CAGE CLAMP®      |
| Actuation type                                              | Push-button              |
| Solid conductor                                             | 0.2 2.5 mm² / 24 12 AWG  |
| Fine-stranded conductor                                     | 0.2 2.5 mm² / 24 12 AWG  |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 1.5 mm²             |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 2.5 mm²             |
| Strip length                                                | 9 10 mm / 0.35 0.39 inch |
| Total number of connection points                           | 3                        |
| Total number of potentials                                  | 3                        |
| Number of connection types                                  | 1                        |
| Number of levels                                            | 1                        |
| No. of poles                                                | 3                        |

### Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 7.5 mm / 0.295 inch  |
| Width       | 20 mm / 0.787 inch   |
| Height      | 34 mm / 1.339 inch   |
| Depth       | 13.4 mm / 0.528 inch |

### Mechanical data

|        |                                                   |
|--------|---------------------------------------------------|
| Design | With gripping plate and sliding connector release |
|--------|---------------------------------------------------|

## 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 <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.098 MJ                               |
| Weight                      | 3.862 g                                |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4050821488415 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Radio-Approvals

| Logo                                                                               | Approval                                     | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|                                                                                    | <b>CB</b><br>DEKRA Certification B.V.        | IEC 61984                | NL-49737         |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | IEC 61984                | 71-<br>102261    |

### 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>                            | C22.2                    | 2362521          |



DEKRA Certification B.V.



KEMA/KEUR  
 DEKRA Certification B.V.

IEC 61984

71-  
 102261

#### Other Approvals

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

#### UL-Approvals

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

#### Compatible products

##### check



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

735-500

##### tools



Item no.: 210-719  
 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

210-719

#### Downloads

##### Documentation

##### Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf<br>3.6 MB | Download |
|------------------------|-------------|---------------|----------|

## Product family

picoMAX

Show all products from the family



Subject to changes.

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