

## Data sheet | Item number: 2092-1525/002-000

1-conductor male connector; Gripping plate; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole



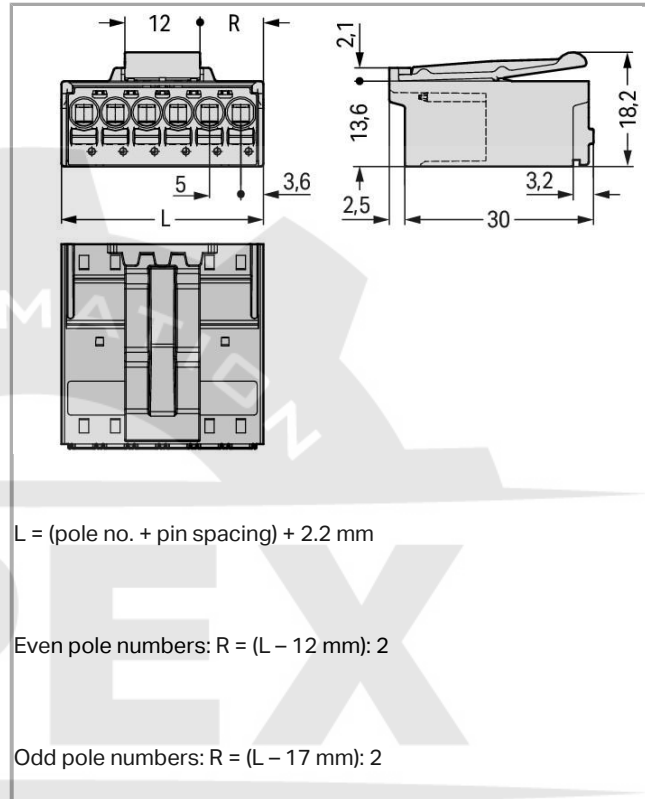
2092-1525/002-000



RoHS ☒ Compliant

BOMcheck.net

Color: ☐



### Item description

- Universal connection for all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require special tools
- Testing parallel to conductor entry – tip contact
- For “wire-to-wire” and “board-to-wire” connections
- Integrated release lever

### 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)         | 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®              |
| 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 |
| No. of poles                                                | 5                                |
| Total number of connection points                           | 5                                |
| Total number of potentials                                  | 5                                |
| Number of connection types                                  | 1                                |
| Number of levels                                            | 1                                |

## Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 5 mm / 0.197 inch    |
| Width       | 27.2 mm / 1.071 inch |
| Height      | 18.2 mm / 0.717 inch |
| Depth       | 32.6 mm / 1.283 inch |

## Plug connection

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

Locking of plug-in connection

Male locking latch

## 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                   | 0.232 MJ                               |
| Weight                      | 10.179 g                               |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 26 (picoMAX)  |
| Country of origin  | DE            |
| GTIN               | 4050821164234 |
| 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          |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | IEC 61984                | 71-102261        |

### UL-Approvals

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



|                                |         |                 |
|--------------------------------|---------|-----------------|
| UR                             | UL 1977 | 20170428-E45171 |
| Underwriters Laboratories Inc. |         |                 |

Downloads  
Documentation  
Additional Information

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CAD/CAE - Smart Data

CAD data

|                               |     |          |
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Product family

picoMAX  
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Subject to changes.