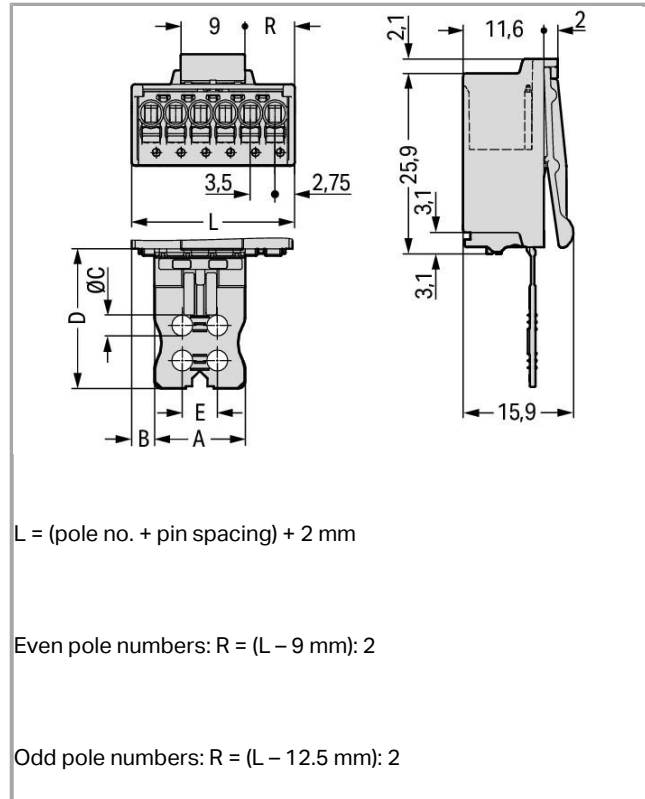
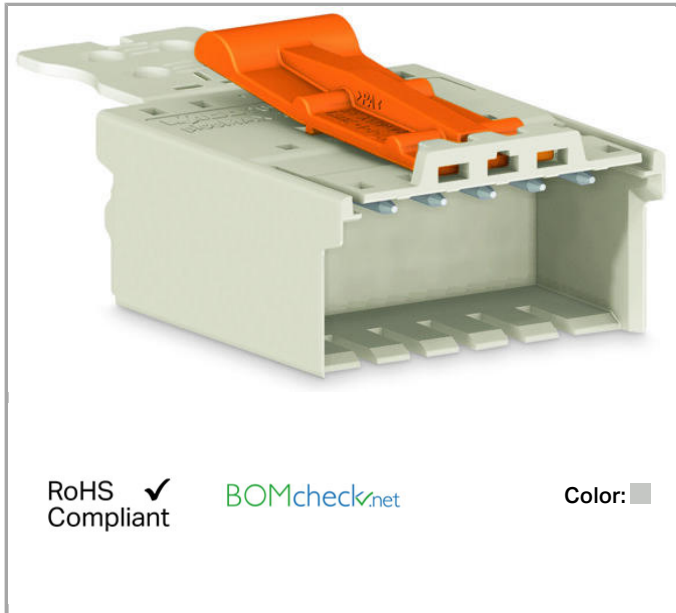


## Data sheet | Item number: 2091-1505/002-000

1-conductor male connector; Gripping plate; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm;  
5-pole



2091-1505/002-000



### 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

### Data

#### Electrical data

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

|                                 |        |
|---------------------------------|--------|
| Rated voltage (III / 3)         | 160 V  |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2)         | 160 V  |

|                                 |        |
|---------------------------------|--------|
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2)          | 320 V  |
| Rated impulse voltage (II / 2)  | 2.5 kV |
| Rated current                   | 10 A   |

### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 10 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 ... 1.5 mm² / 24 ... 14 AWG |
| Fine-stranded conductor                                     | 0.2 ... 1.5 mm² / 24 ... 14 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 ... 0.75 mm²               |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 1.5 mm²                |
| Strip length                                                | 8 ... 9 mm / 0.31 ... 0.35 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 | 3.5 mm / 0.138 inch  |
| Width       | 19.5 mm / 0.768 inch |
| Height      | 15.9 mm / 0.626 inch |
| Depth       | 47 mm / 1.85 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 MJ                                   |
| Weight                      | 5.436 g                                |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4055143547178 |
| 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-49736         |
|  | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2                    | 2362521          |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 61984                 | 71-<br>102260    |

### UL-Approvals

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

## Compatible products



Coding

|                                                                                  |                                                                                   |           |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|
|  | <b>Item no.: 2091-1610</b><br>Coding key carrier; suitable for 3.5 mm pin spacing | 2091-1610 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|

Downloads  
Documentation

|                        |               |          |
|------------------------|---------------|----------|
| Additional Information | pdf<br>3.6 MB | Download |
|------------------------|---------------|----------|

CAD/CAE - Smart Data

|                               |     |          |
|-------------------------------|-----|----------|
| CAD data                      |     |          |
| 3D Download 2091-1505/002-000 | URL | Download |

Product family

- picoMAX  
Learn more about the product family.
- Show all products from the family

Subject to changes.