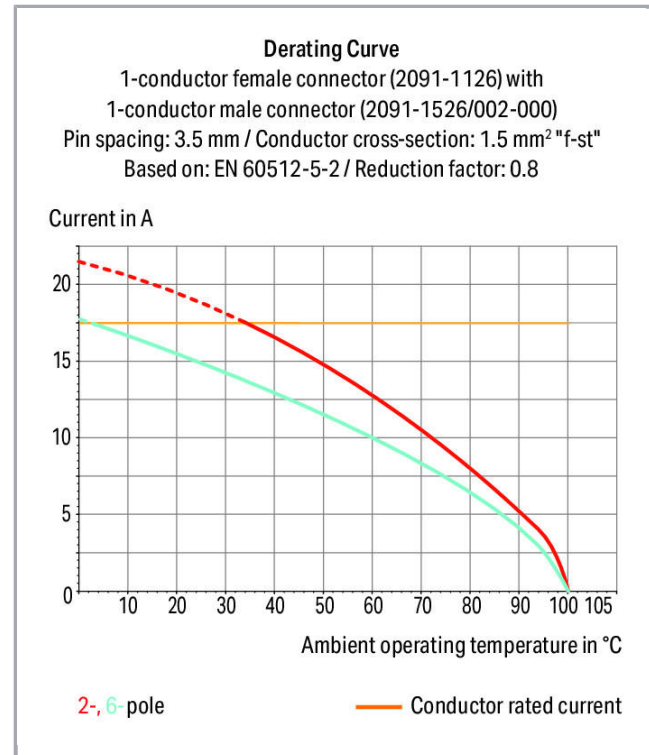
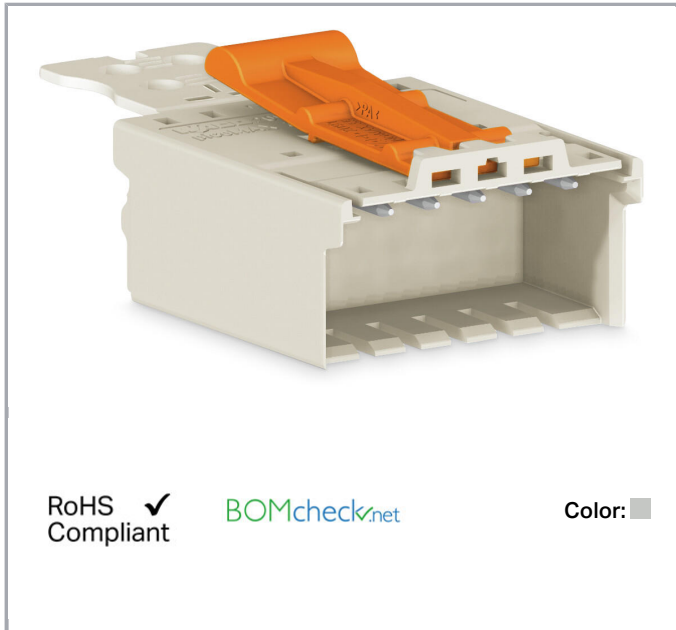


## Data sheet | Item number: 2091-1506/002-000

1-conductor male connector; Gripping plate; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 6-pole; 1,50 mm<sup>2</sup>; light gray

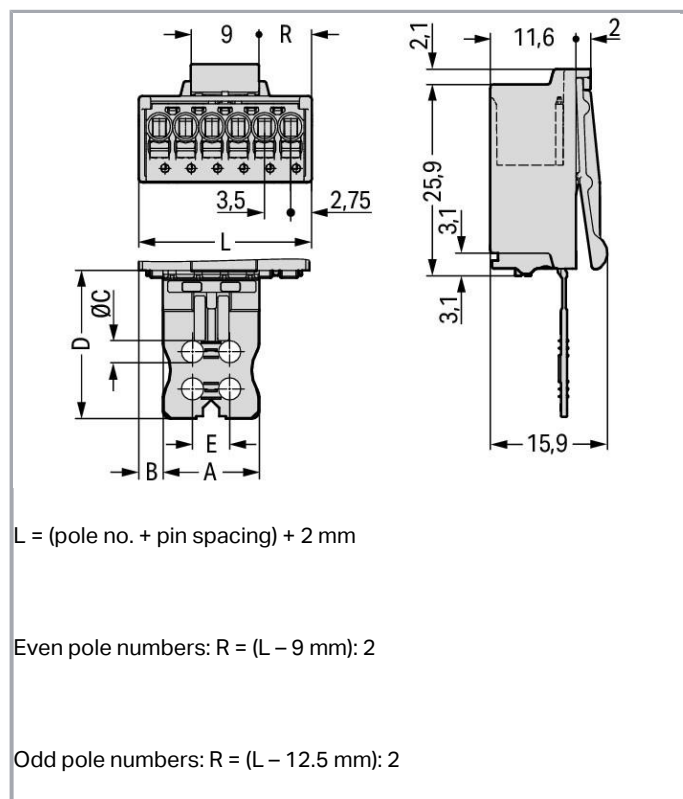
[www.wago.com/2091-1506\\_002-000](http://www.wago.com/2091-1506_002-000)



Subject to changes.

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We are always happy to take your call at +49 (571) 887-44222.



## 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

Subject to changes.

## 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                                                                 |
| Legend (ratings)                | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

## 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 mm <sup>2</sup> / 24 ... 14 AWG |
| Fine-stranded conductor                                     | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 ... 0.75 mm <sup>2</sup>               |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 1.5 mm <sup>2</sup>                |
| Strip length                                                | 8 ... 9 mm / 0.31 ... 0.35 inch             |
| No. of poles                                                | 6                                           |
| Total number of connection points                           | 6                                           |
| Total number of potentials                                  | 6                                           |
| Number of connection types                                  | 1                                           |
| Number of levels                                            | 1                                           |

## Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 3.5 mm / 0.138 inch  |
| Width       | 23 mm / 0.906 inch   |
| Height      | 15.9 mm / 0.626 inch |
| Depth       | 47 mm / 1.85 inch    |

Subject to changes.



## Mechanical data

|        |                     |
|--------|---------------------|
| Design | With gripping plate |
|--------|---------------------|

## 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                   | 0.148 MJ                               |
| Weight                      | 6.3 g                                  |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 26 (picoMAX)  |
| Packaging type     | BOX           |
| Country of origin  | DE            |
| GTIN               | 4050821161332 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|      | CSA      | C22.2                    | 2362521          |

Subject to changes.



DEKRA Certification B.V.

## UL-Approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 1977                  | 20190909-E45171  |

## Compatible products

### Coding



Item no.: 2091-1610

Coding key carrier; suitable for 3.5 mm pin spacing; orange

[www.wago.com/2091-1610](http://www.wago.com/2091-1610)

## Downloads

### Documentation

#### Additional Information

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

## CAD/CAE-Data

### CAD data

|                                |     |          |
|--------------------------------|-----|----------|
| 2D/3D Models 2091-1506/002-000 | URL | Download |
|--------------------------------|-----|----------|

## Installation Notes

## Product family

picoMAX

[Show all products from the family](#)

Subject to changes.