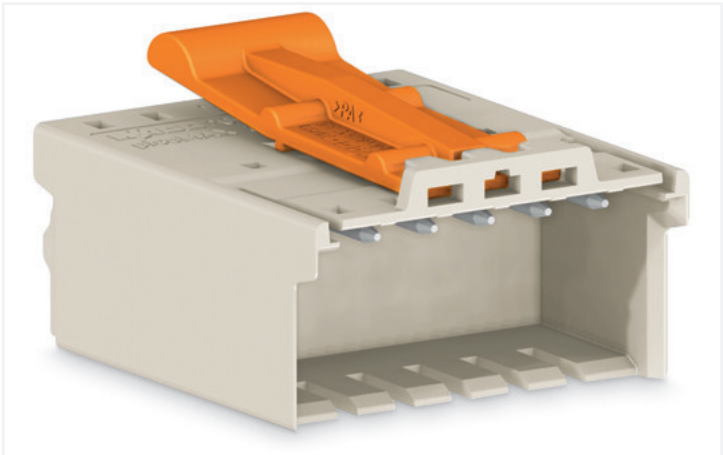


**Data Sheet | Item Number: 2091-1522/002-000**

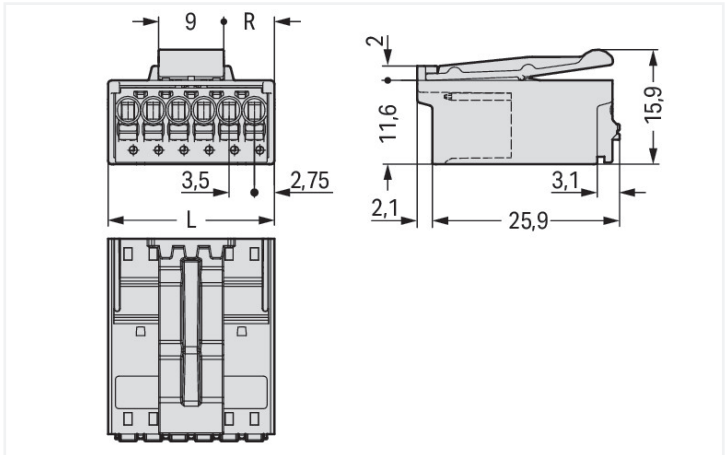
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm;  
2-pole; Integrated release lever; 1,50 mm²; light gray

<https://www.wago.com/2091-1522/002-000>



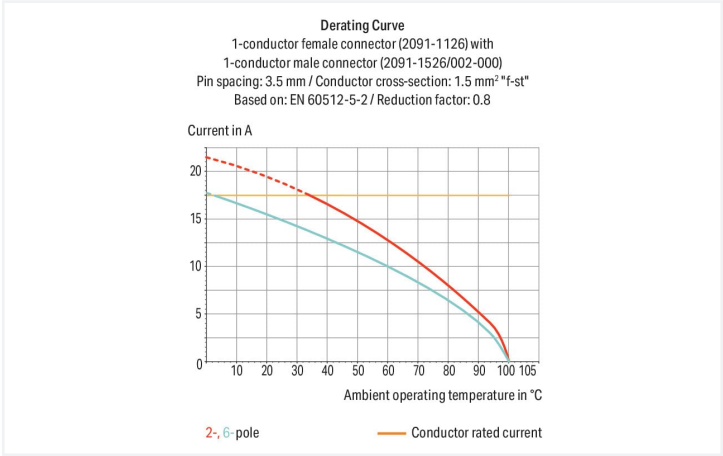
Color: ■ light gray

Similar to illustration



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 2 \text{ mm}$   
Even pole number  $R = (L - 9 \text{ mm}) : 2$   
Odd pole number  $R = (L - 12.5 \text{ mm}) : 2$



- 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

**Notes**

Safety information

Variants:

The **picoMAX® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must 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.

Direct marking

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.



Electrical data

| Ratings per IEC/EN 60664-1 |        |        |        | Approvals per UL 1059 |       |   |       |
|----------------------------|--------|--------|--------|-----------------------|-------|---|-------|
| Overvoltage category       | III    | III    | II     | Use group             | B     | C | D     |
| Pollution degree           | 3      | 2      | 2      | Rated voltage         | 300 V | - | 300 V |
| Nominal voltage            | 160 V  | 160 V  | 320 V  | Rated current         | 10 A  | - | 10 A  |
| Rated surge voltage        | 2.5 kV | 2.5 kV | 2.5 kV |                       |       |   |       |
| Rated current              | 10 A   | 10 A   | 10 A   |                       |       |   |       |

Connection data

|                            |   |                                                   |                                       |
|----------------------------|---|---------------------------------------------------|---------------------------------------|
| Connection points          | 2 | Connection 1                                      |                                       |
| Total number of potentials | 2 | Connection technology                             | Push-in CAGE CLAMP®                   |
| Number of connection types | 1 | Actuation type                                    | Push-button                           |
| Number of levels           | 1 | Actuation direction 1                             | Operation parallel to conductor entry |
|                            |   | 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 insulated ferrule   | 0.25 ... 0.75 mm²                     |
|                            |   | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm²                      |
|                            |   | Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inches     |
|                            |   | Pole number                                       | 2                                     |

Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 3.5 mm / 0.138 inches  |
| Width       | 9 mm / 0.354 inches    |
| Height      | 15.9 mm / 0.626 inches |
| Depth       | 28 mm / 1.102 inches   |

Mechanical data

|                          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

Plug-in connection

|                                      |                     |
|--------------------------------------|---------------------|
| Contact type (pluggable connector)   | Male connector/plug |
| Connector (connection type)          | for conductor       |
| Mismating protection                 | No                  |
| Plugging without loss of pin spacing | Yes                 |
| Locking of plug-in connection        | Locking latch       |

Material data

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | light gray                                                                                                             |
| Material group              | I                                                                                                                      |
| Insulation 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                                                                                                                    |
| Fire load                   | 0.035 MJ                                                                                                               |
| Weight                      | 2.8 g                                                                                                                  |



| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +100 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |                         |
|-----------------------|-------------------------|
| Product Group         | 26 (picoMAX Connectors) |
| eCl@ss 10.0           | 27-14-11-06             |
| eCl@ss 9.0            | 27-14-11-06             |
| ETIM 8.0              | EC001284                |
| ETIM 7.0              | EC001284                |
| PU (SPU)              | 200 pcs                 |
| Packaging type        | Box                     |
| Country of origin     | DE                      |
| GTIN                  | 4050821161356           |
| Customs tariff number | 85366930000             |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

Approvals / Certificates

General approvals



| Approval                              | Standard      | Certificate Name |
|---------------------------------------|---------------|------------------|
| CB<br>DEKRA Certification B.V.        | IEC 61984     | NL-49736/A1      |
| CSA<br>DEKRA Certification B.V.       | C22.2         | 2362521          |
| CSA<br>DEKRA Certification B.V.       | C22.2 No. 158 | 2362521          |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984      | 71-102260 REV.1  |
| UL<br>Underwriters Laboratories Inc.  | UL 1977       | E45171           |
| UR<br>Underwriters Laboratories Inc.  | UL 1059       | E45172           |

Downloads

Environmental Product Compliance

| Compliance Search                                     |  |
|-------------------------------------------------------|--|
| Environmental Product Compliance<br>2091-1522/002-000 |  |



Documentation

| Additional Information |            |                   |  |
|------------------------|------------|-------------------|--|
| Technical Section      | 03.04.2019 | pdf<br>2010.85 KB |  |

CAD/CAE-Data

| CAD data                          |
|-----------------------------------|
| 2D/3D Models<br>2091-1522/002-000 |

| CAE data                          |
|-----------------------------------|
| ZUKEN Portal<br>2091-1522/002-000 |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

|                                                                                                                                                             |                                                                                                                                                                             |                                                                                                                                                                                                      |                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 2091-1122</b><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray | <br><b>Item No.: 2091-1102</b><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; Gripping plate; 1,50 mm²; light gray | <br><b>Item No.: 2091-1102/000-1000</b><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; Gripping plate; direct marking; 1,50 mm²; light gray | <br><b>Item No.: 2091-1102/000-5000</b><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; Gripping plate; direct marking; 1,50 mm²; light gray |
| <br><b>Item No.: 2091-1322/200-000</b><br>THR female header; angled; Pin spacing 3.5 mm; 2-pole; 0.4 x 0.9 mm solder pin; light gray                        | <br><b>Item No.: 2091-1302/200-000</b><br>THR female header; straight; Pin spacing 3.5 mm; 2-pole; 0.4 x 0.9 mm solder pin; light gray                                      | <br><b>Item No.: 2091-1322</b><br>THT female header; angled; Pin spacing 3.5 mm; 2-pole; 0.4 x 0.9 mm solder pin; light gray                                                                         | <br><b>Item No.: 2091-1302</b><br>THT female header; straight; Pin spacing 3.5 mm; 2-pole; 0.4 x 0.9 mm solder pin; light gray                                                                       |

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

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