

**Data Sheet | Item Number: 2091-1530/020-000**

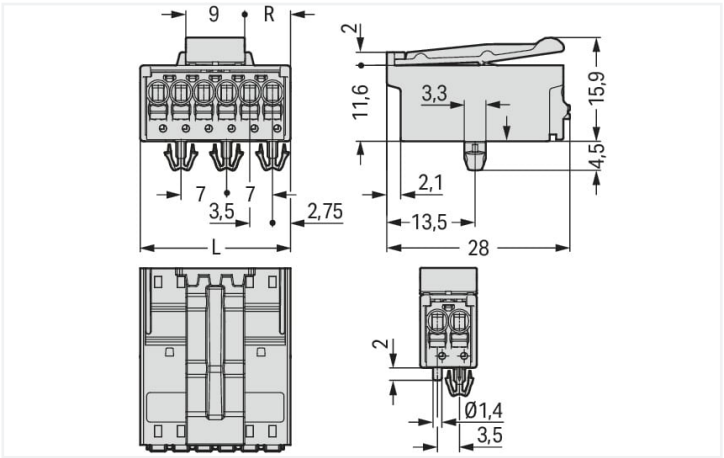
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; Integrated release lever; 1,50 mm²; light gray

<https://www.wago.com/2091-1530/020-000>



Color: ■ light gray

Similar to illustration

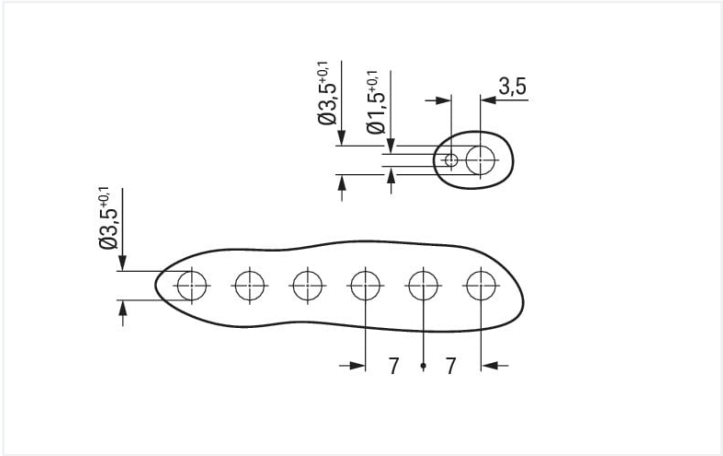


Dimensions in mm

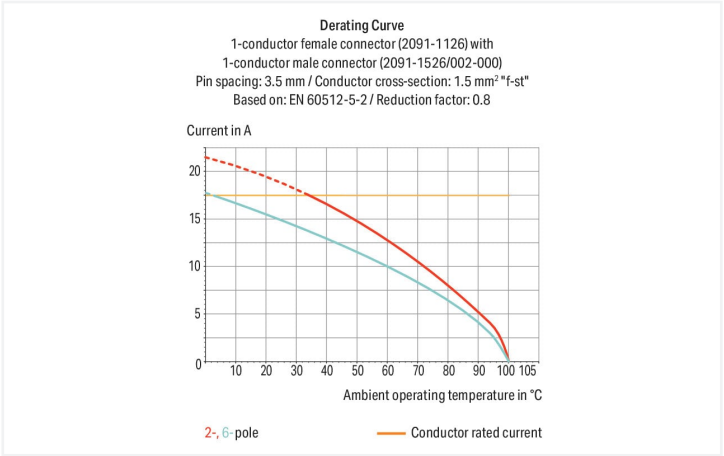
$L = (\text{pole no.} \times \text{pin spacing}) + 2 \text{ mm}$

Even pole number  $R = (L - 9 \text{ mm}) : 2$

Odd pole number  $R = (L - 12.5 \text{ mm}) : 2$



Dimensions in mm



- 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

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.

Variants:

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          | 10 | <div>Connection 1</div> <div>Connection technologyPush-in CAGE CLAMP®</div> <div>Actuation typePush-button</div> <div>Actuation direction 1Operation parallel to conductor entry</div> <div>Solid conductor0.2 ... 1.5 mm² / 24 ... 14 AWG</div> <div>Fine-stranded conductor0.2 ... 1.5 mm² / 24 ... 14 AWG</div> <div>Fine-stranded conductor; with insulated ferrule0.25 ... 0.75 mm²</div> <div>Fine-stranded conductor; with uninsulated ferrule0.25 ... 1.5 mm²</div> <div>Strip length8 ... 9 mm / 0.31 ... 0.35 inches</div> <div>Pole number10</div> |
| Total number of potentials | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Number of connection types | 1  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Number of levels           | 1  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                            |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Physical data           |                        |
|-------------------------|------------------------|
| Pin spacing             | 3.5 mm / 0.138 inches  |
| Width                   | 37 mm / 1.457 inches   |
| Height                  | 20.4 mm / 0.803 inches |
| Height from the surface | 15.9 mm                |
| Depth                   | 28 mm / 1.102 inches   |

| Mechanical data          |                                         |
|--------------------------|-----------------------------------------|
| Variable coding          | Yes                                     |
| Housing sheet thickness  | 0.6 ... 1.2 mm / 0.024 ... 0.047 inches |
| Mounting type            | Snap-in foot                            |
| 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                   | 0.029 MJ                                                                                                               |
| Weight                      | 9.4 g                                                                                                                  |

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

| Commercial data       |               |
|-----------------------|---------------|
| 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)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143543507 |
| 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           |



| Downloads                        |                   |  |  |
|----------------------------------|-------------------|--|--|
| Environmental Product Compliance |                   |  |  |
| Compliance Search                |                   |  |  |
| Environmental Product Compliance | 2091-1530/020-000 |  |  |

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

| CAD/CAE-Data |                   |              |                   |
|--------------|-------------------|--------------|-------------------|
| CAD data     |                   | CAE data     |                   |
| 2D/3D Models | 2091-1530/020-000 | ZUKEN Portal | 2091-1530/020-000 |
|              |                   |              |                   |

| 1 Compatible Products         |  |
|-------------------------------|--|
| 1.1 System counterpart        |  |
| 1.1.1 Female connector/socket |  |



**Item No.: 2091-1130**  
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; 1,50 mm²; light gray

| 1.2 Optional Accessories |  |
|--------------------------|--|
| 1.2.1 Coding             |  |
| 1.2.1.1 Coding           |  |



**Item No.: 2091-1610**  
Coding key carrier; suitable for 3.5 mm pin spacing; orange