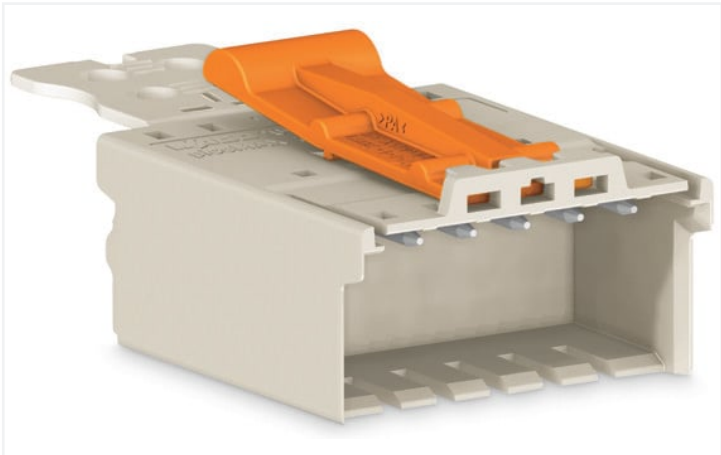


Data Sheet | Item Number: 2091-1512/002-000

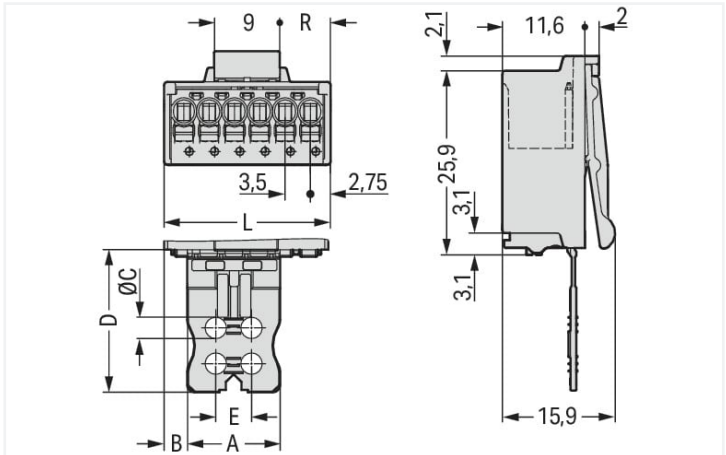
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 12-pole; Gripping plate; 1,50 mm²; light gray

<https://www.wago.com/2091-1512/002-000>



Color: ■ light gray

Similar to illustration



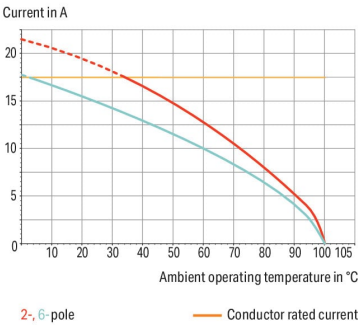
Dimensions in mm  
L = (pole no. x pin spacing) + 2 mm  
Even pole number R = (L – 9 mm) : 2  
Odd pole number R = (L – 12.5 mm) : 2

Gripping plate Dimensions (in mm):

| Pole No. | A  | B    | C   | D  | E |
|----------|----|------|-----|----|---|
| 2        | 6  | 1.45 | –   | 17 | – |
| 3        | 6  | 3.20 | –   | 17 | – |
| 4        | 6  | 3.20 | –   | 17 | – |
| 5        | 13 | 3.25 | 3   | 20 | 5 |
| 6        | 13 | 3.25 | 3   | 20 | 5 |
| 7        | 13 | 6.75 | 3   | 20 | 5 |
| 8        | 27 | 3.25 | 4.2 | 25 | 8 |
| 10       | 27 | 6.75 | 4.2 | 25 | 8 |
| 12       | 27 | 5.75 | 4.2 | 25 | 8 |

Derating Curve

1-conductor female connector (2091-1126) with  
1-conductor male connector (2091-1512/002-000)  
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



- 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          | 12 | <b>Connection 1</b>                               |                                       |
| Total number of potentials | 12 | 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                                       | 12                                    |

Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 3.5 mm / 0.138 inches  |
| Width       | 44 mm / 1.732 inches   |
| Height      | 15.9 mm / 0.626 inches |
| Depth       | 47 mm / 1.85 inches    |

Mechanical data

|                          |                     |
|--------------------------|---------------------|
| Variable coding          | Yes                 |
| Design                   | with gripping plate |
| 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                   | 0.033 MJ                                                                                                               |



Material data

|        |        |
|--------|--------|
| Weight | 11.8 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                  | 4055143541190 |
| 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<br>2091-1512/002-000 |





Documentation

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

CAD/CAE-Data

| CAD data                          |
|-----------------------------------|
| 2D/3D Models<br>2091-1512/002-000 |
|                                   |

| CAE data                          |
|-----------------------------------|
| ZUKEN Portal<br>2091-1512/002-000 |
|                                   |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



**Item No.: 2091-1132**  
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 12-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