

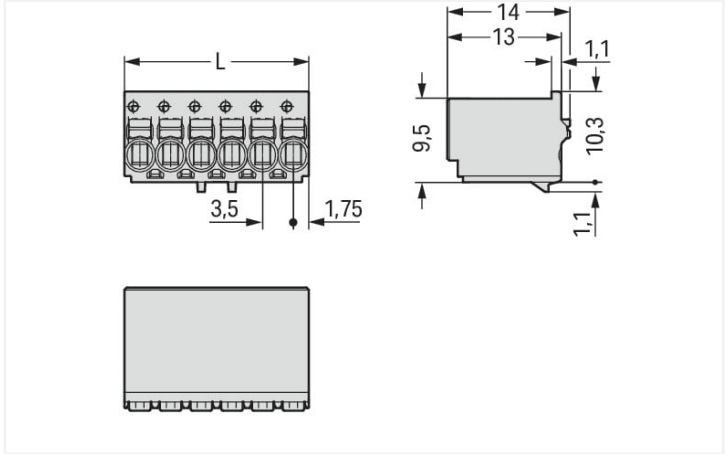
Data Sheet | Item Number: 2091-1126

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 1,50 mm²; light gray

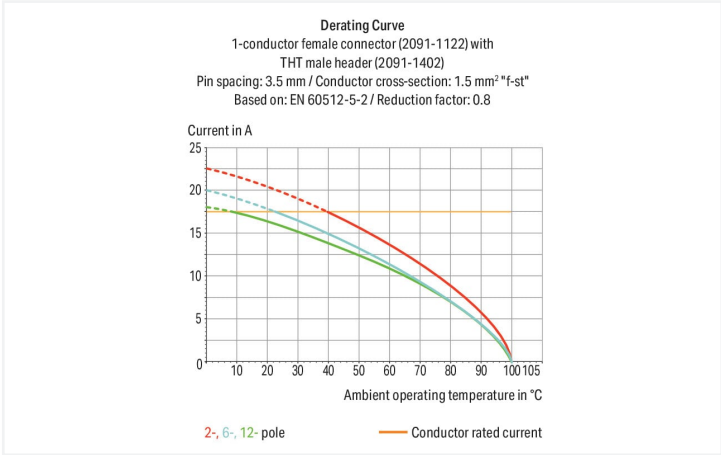
<https://www.wago.com/2091-1126>



Color: ■ light gray



Dimensions in mm  
L = (pole no. – 1) x pin spacing



- Universal connection of all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require special tools
- Ability to wire while mated or unmated
- Testing parallel to conductor entry – tip contact
- Also available with gripping plates
- Integrated locking latches prevent accidental disconnection

| Notes              |                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety information | The <b>picoMAX® Pluggable Connection System</b> 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<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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          | 6 | <b>Connection 1</b>                               |                                       |
| Total number of potentials | 6 | 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                                       | 6                                     |

Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 3.5 mm / 0.138 inches  |
| Width       | 21 mm / 0.827 inches   |
| Height      | 14 mm / 0.551 inches   |
| Depth       | 11.4 mm / 0.449 inches |

Mechanical data

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

Plug-in connection

|                                      |                         |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector)   | Female connector/socket |
| Connector (connection type)          | for conductor           |
| Mismating protection                 | No                      |
| Plugging without loss of pin spacing | Yes                     |

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                   | 0.064 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)              | 100 pcs                 |
| Packaging type        | Box                     |
| Country of origin     | DE                      |
| GTIN                  | 4050821160793           |
| Customs tariff number | 85366990990             |

| 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 2091-1126 |  |



Documentation

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

CAD/CAE-Data

| CAD data                  | CAE data                  |
|---------------------------|---------------------------|
| 2D/3D Models<br>2091-1126 | ZUKEN Portal<br>2091-1126 |

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



**Item No.: 2091-1526/020-000**  
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; Integrated release lever; 1,50 mm²; light gray



**Item No.: 2091-1506/002-000**  
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; Gripping plate; 1,50 mm²; light gray



**Item No.: 2091-1526/002-000**  
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; Integrated release lever; 1,50 mm²; light gray



**Item No.: 2091-1636/024-000**  
Panel feedthrough male connector; clamping collar; 1.5 mm²; 6-pole; Pin spacing 3.5 mm; light gray



**Item No.: 2091-1426/205-000**  
THR male header; 1.0 mm Ø solder pin; angled; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1426/200-000/997-406**  
THR male header; 1.0 mm Ø solder pin; angled; in tape-and-reel packaging; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1426/200-604**  
THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; black



**Item No.: 2091-1726/200-000**  
THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; black



**Item No.: 2091-1426/200-000**  
THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1406/205-000**  
THR male header; 1.0 mm Ø solder pin; straight; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1706/200-000**  
THR male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; black



**Item No.: 2091-1406/200-000**  
THR male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1426/005-000**  
THT male header; 1.0 mm Ø solder pin; angled; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1726**  
THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; black



**Item No.: 2091-1426**  
THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1406/005-000**  
THT male header; 1.0 mm Ø solder pin; straight; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray



**Item No.: 2091-1706**  
THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; black



**Item No.: 2091-1406**  
THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; 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

1.2.2 Strain relief

1.2.2.1 Strain relief plate



**Item No.: 2091-1602/002-000**  
Gripping plate with sliding connector release; for female and male connectors; 2 parts; Pin spacing 3.5 mm; light gray



**Item No.: 2091-1602**  
Gripping plate; for female and male connectors; 1 part; Pin spacing 3.5 mm; light gray

1.2.3 Test and measurement

1.2.3.1 Testing accessories



**Item No.: 735-500**  
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

1.2.4 Tool

1.2.4.1 Operating tool



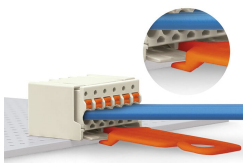
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



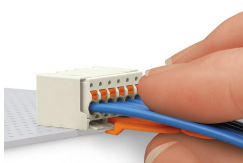
**Item No.: 2092-1630**  
Unlocking tool; orange

Installation Notes

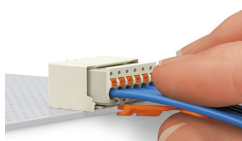
Locking system



Disconnecting a female connector via unlocking tool. Plug unlocking tool into the male header's locking latch.

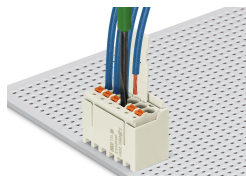


Insert unlocking tool until it hits the back-stop. Wedge opens locking latches.



Pull on both unlocking tool and conductors to remove female connector from male header.

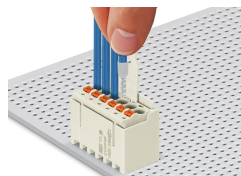
## Conductor termination



Inserting fine-stranded conductor into mated female connector via push-button.



Inserting a fine-stranded conductor into an unmated female connector via push-button.



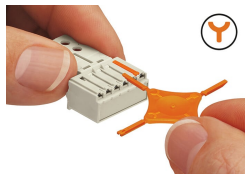
Inserting solid and ferruled conductors via push-in termination.

## Marking



Pole marking via factory direct marking.

## Coding



Coding a female connector (via coding key carrier and two keys for female connector, see symbol).

## Testing



Testing via 1 mm Ø test pin – touch contact.