

Data Sheet | Item Number: 2092-1108/002-1000

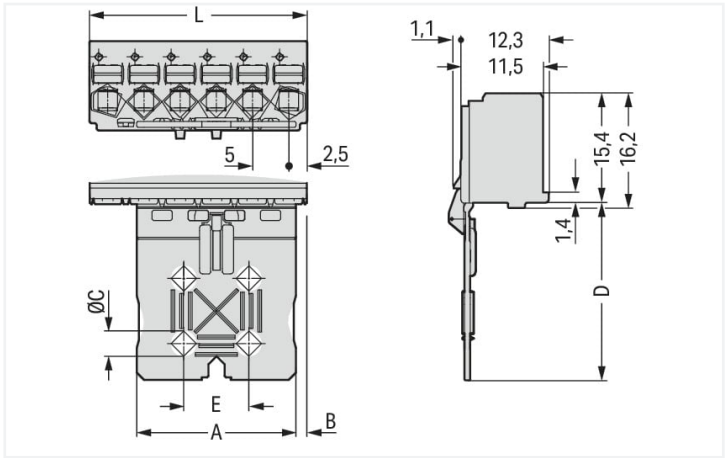
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 8-pole; Gripping plate sliding connector release; direct marking; 2,50 mm²; light gray

<https://www.wago.com/2092-1108/002-1000>



Color: ■ light gray

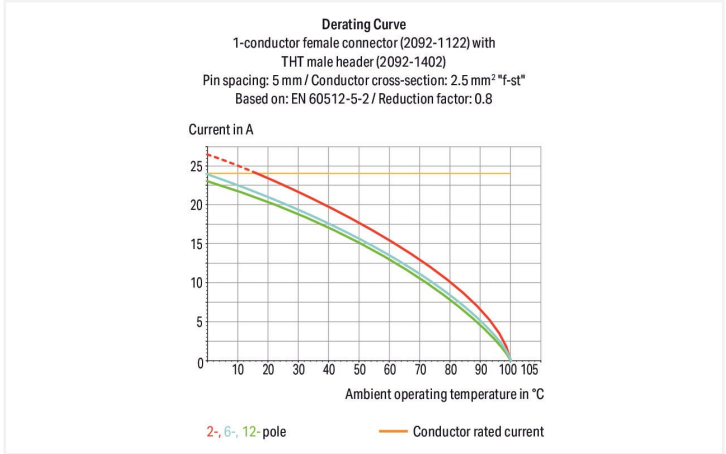
Similar to illustration



Dimensions in mm

L = pole no. x pin spacing

| Gripping plate Dimensions (in mm): |    |     |     |    |    |
|------------------------------------|----|-----|-----|----|----|
| Pole No.                           | A  | B   | C   | D  | E  |
| 2                                  | 7  | 1.5 | –   | 20 | –  |
| 3                                  | 12 | 1.5 | –   | 20 | –  |
| 4                                  | 12 | 1.5 | –   | 20 | –  |
| 5                                  | 22 | 1.5 | 3.5 | 25 | 9  |
| 6                                  | 22 | 1.5 | 3.5 | 25 | 9  |
| 7                                  | 22 | 6.5 | 3.5 | 25 | 9  |
| 8                                  | 22 | 6.5 | 3.5 | 25 | 9  |
| 9                                  | 42 | 1.5 | 5.0 | 35 | 19 |
| 10                                 | 42 | 1.5 | 5.0 | 35 | 19 |
| 12                                 | 42 | 6.5 | 5.0 | 35 | 19 |



- 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 **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 |
| Pollution degree     | 3     | 2              | 2     | Rated voltage | 300 V         | - |
| Nominal voltage      | 250 V | 320 V          | 630 V | Rated current | 15 A          | - |
| Rated surge voltage  | 4 kV  | 4 kV           | 4 kV  |               |               |   |
| Rated current        | 16 A  | 16 A           | 16 A  |               |               |   |

| Connection data            |   |                                                   |                                       |
|----------------------------|---|---------------------------------------------------|---------------------------------------|
| Connection points          | 8 | Connection 1                                      |                                       |
| Total number of potentials | 8 | 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 ... 2.5 mm² / 24 ... 12 AWG       |
|                            |   | Fine-stranded conductor                           | 0.2 ... 2.5 mm² / 24 ... 12 AWG       |
|                            |   | Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm²                      |
|                            |   | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm²                      |
|                            |   | Strip length                                      | 9 ... 10 mm / 0.35 ... 0.39 inches    |
|                            |   | Pole number                                       | 8                                     |

| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 5 mm / 0.197 inches    |
| Width         | 40 mm / 1.575 inches   |
| Height        | 40.4 mm / 1.591 inches |
| Depth         | 14.4 mm / 0.567 inches |

| Mechanical data          |                                                   |
|--------------------------|---------------------------------------------------|
| Variable coding          | Yes                                               |
| Design                   | with gripping plate and sliding connector release |
| 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                   | 0.04 MJ                                                                                                                |
| Weight                      | 7.9 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                  | 4050821487814 |
| 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-49737/A1      |
| CSA<br>DEKRA Certification B.V.         | C22.2     | 2362521          |
| cURus<br>Underwriters Laboratories Inc. | UL 1059   | E45172           |
| KEMA/KEUR<br>DEKRA Certification B.V.   | EN 61984  | 71-102261 REV.2  |
| UL<br>Underwriters Laboratories Inc.    | UL 1977   | E45171           |

### Downloads

#### Environmental Product Compliance

| Compliance Search                                      |  |
|--------------------------------------------------------|--|
| Environmental Product Compliance<br>2092-1108/002-1000 |  |



Documentation

Additional Information

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

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 2092-1428

THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 8-pole; light gray



Item No.: 2092-1408

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 8-pole; light gray

1.2 Optional Accessories

1.2.1 Test and measurement

1.2.1.1 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

1.2.2 Tool

1.2.2.1 Operating tool

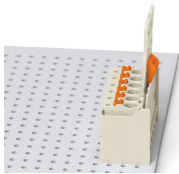


Item No.: 210-719

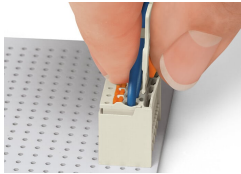
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

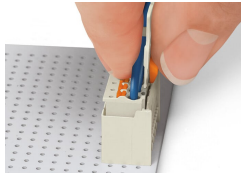
Locking system



Male header mated to a female connector with gripping plate and sliding connector release.

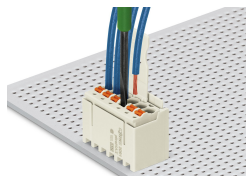


Push down sliding connector release (gripping plate) to open the locking latch.



Pull out female connector from male header.

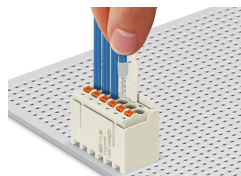
## Conductor termination



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



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



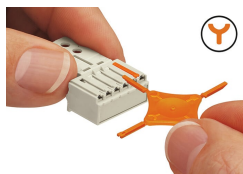
Inserting solid and ferruled conductors via push-in termination.

## 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.