

Data Sheet | Item Number: 2092-1105

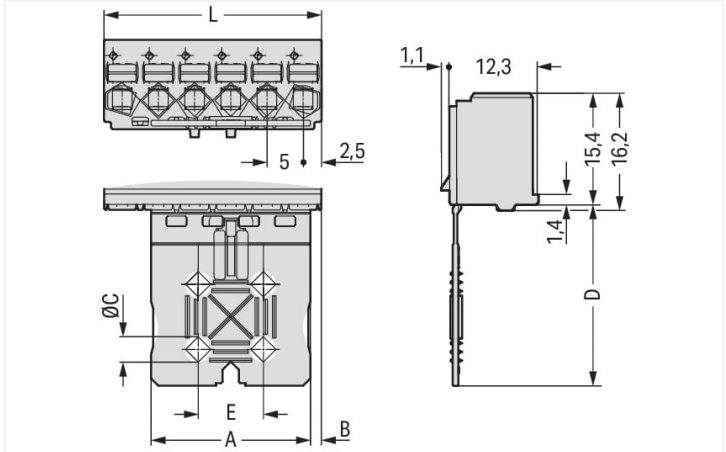
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; Gripping plate; 2,50 mm²; light gray

<https://www.wago.com/2092-1105>



Color: ■ light gray

Similar to illustration



Dimensions in mm

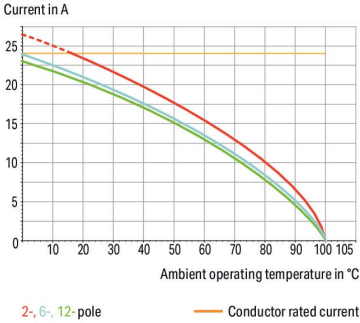
L = pole no. x pin spacing

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 |

Derating Curve

1-conductor female connector (2092-1122) with  
THT male header (2092-1402)  
Pin spacing: 5 mm / Conductor cross-section: 2.5 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 specialty tools
- Ability to wire while mated or unmated
- Test port parallel to conductor entry – touch contact
- 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 | D     |
| Pollution degree           | 3     | 2     | 2     | Rated voltage         | 300 V | - | 300 V |
| Nominal voltage            | 250 V | 320 V | 630 V | Rated current         | 15 A  | - | 10 A  |
| Rated surge voltage        | 4 kV  | 4 kV  | 4 kV  |                       |       |   |       |
| Rated current              | 16 A  | 16 A  | 16 A  |                       |       |   |       |

Connection data

|                            |   |                                                   |                                       |
|----------------------------|---|---------------------------------------------------|---------------------------------------|
| Connection points          | 5 | <b>Connection 1</b>                               |                                       |
| Total number of potentials | 5 | 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                                       | 5                                     |

Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 5 mm / 0.197 inches    |
| Width       | 25 mm / 0.984 inches   |
| Height      | 40.4 mm / 1.591 inches |
| Depth       | 13.4 mm / 0.528 inches |

Mechanical data

|                          |                     |
|--------------------------|---------------------|
| Variable coding          | Yes                 |
| Design                   | with gripping plate |
| 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                   | 0.113 MJ                                                                                                               |
| Weight                      | 5.2 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)              | 50 pcs                  |
| Packaging type        | Box                     |
| Country of origin     | DE                      |
| GTIN                  | 4050821163428           |
| 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          |
| CSA<br>DEKRA Certification B.V.         | C22.2 No. 158 | 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 2092-1105 |  |



Documentation

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

CAD/CAE-Data

| CAD data                  | CAE data                  |
|---------------------------|---------------------------|
| 2D/3D Models<br>2092-1105 | ZUKEN Portal<br>2092-1105 |

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



**Item No.: 2092-1525/002-000**  
1-conductor male connector; Push-in CA-GE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; Integrated release lever; 2,50 mm²; light gray



**Item No.: 2092-1425**  
THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 5-pole; light gray



**Item No.: 2092-1405**  
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 5-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

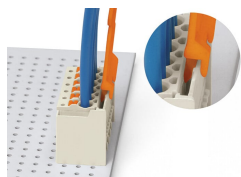
1.2.2.1 Operating tool



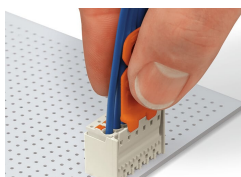
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

## Installation Notes

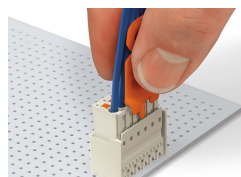
### Locking system



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

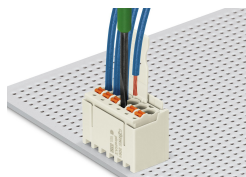


Insert unlocking tool until it hits the back-stop. Wedge opens locking latches.



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

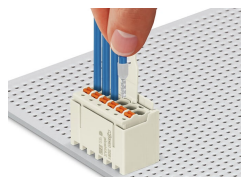
### Conductor termination



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



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



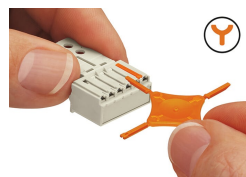
Inserting solid and ferruled conductors via push-in termination.

### 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.