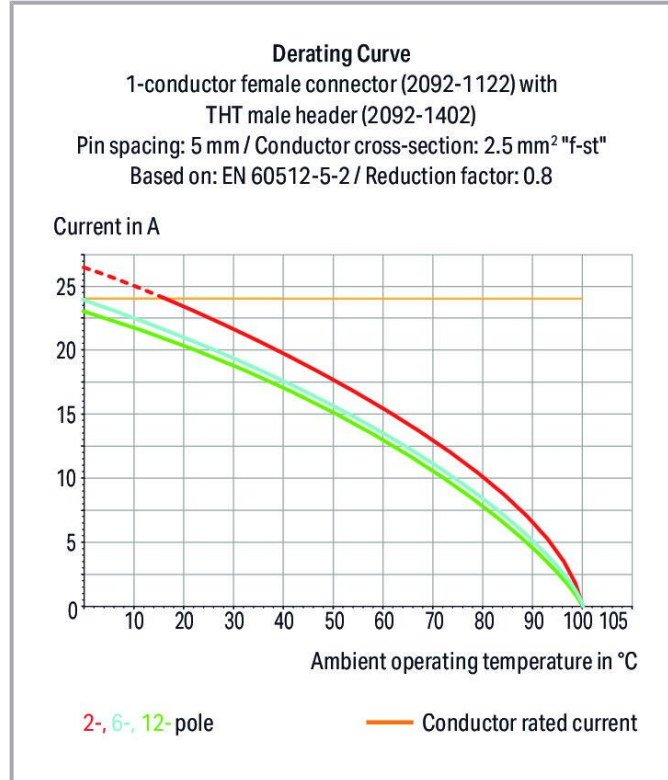


**Data sheet | Item number: 2092-1105/000-5000**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole; Gripping plate; direct marking; 2,50 mm<sup>2</sup>; light gray



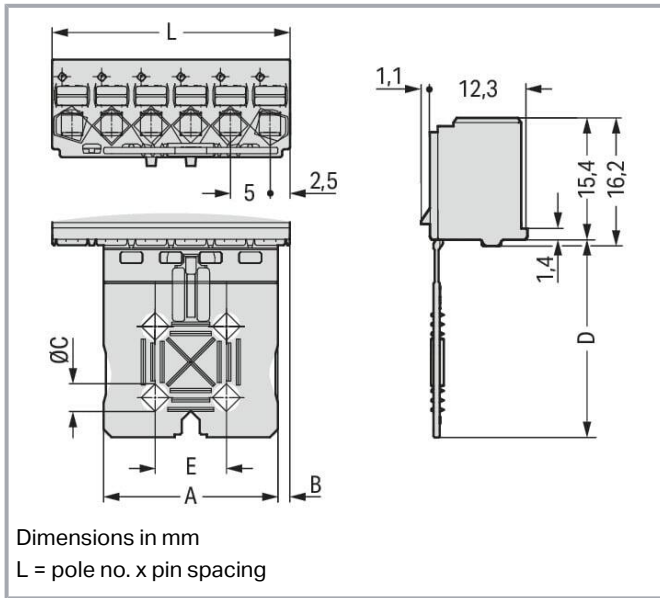
[www.wago.com/2092-1105/000-5000](http://www.wago.com/2092-1105/000-5000)



Subject to changes. Please also observe the further product documentation!

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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 |

## Item description

- 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

## Data

### 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

Subject to changes. Please also observe the further product documentation!

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## Ratings per IEC/EN

|                               |   |
|-------------------------------|---|
| Ratings per                   | IEC/EN 60664-1  |
| Nominal voltage (III/3)       | 250 V   |
| Rated impulse voltage (III/3) | 4 kV  |
| Rated voltage (III/2)         | 320 V   |
| Rated impulse voltage (III/2) | 4 kV  |
| Nominal voltage (II/2)        | 630 V   |
| Rated surge voltage (II/2)    | 4 kV  |
| Rated current                 | 16 A  |
| Legend (ratings)              | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

## Ratings per UL

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 15 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |

## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 5 |
| Total number of potentials | 5 |
| Number of connection types | 1 |
| Number of levels           | 1 |

## Connection 1

|   |   |
|---|---|
| Connection technology                             | Push-in CAGE CLAMP <sup>®</sup>             |
| Actuation type                                    | Push-button                                 |
| Actuation direction 1                             | Operation parallel to conductor entry       |
| Solid conductor                                   | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor                           | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm <sup>2</sup>                |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm <sup>2</sup>                |
| Strip length                                      | 9 ... 10 mm / 0.35 ... 0.39 inches          |
| Pole number                                       | 5   |

Subject to changes. Please also observe the further product documentation!



## 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                     |
| Locking of plug-in connection        | none                    |

## Material data

|                             |  |
|-----------------------------|--|
| Note (material data)        | <a href="#">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  |

Subject to changes. Please also observe the further product documentation!

## 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      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 50 pcs        |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4050821353829 |
| Customs tariff number | 85366990990   |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

## Approvals / Certificates

### General approvals

| Logo   | Approval                                       | Additional Approval Text | Certificate name       |
|--|--|--------------------------|------------------------|
|  | <b>CB</b><br>DEKRA Certification B.V.          | IEC 61984                | NL-49737<br>/A1        |
|  | <b>CSA</b><br>DEKRA Certification B.V.         | C22.2                    | 2362521                |
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172                 |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V.   | EN 61984                 | 71-<br>102261<br>REV.2 |
|  | <b>UL</b><br>Underwriters Laboratories Inc.    | UL 1977                  | E45171                 |

Subject to changes. Please also observe the further product documentation!

## Counterpart



**Item no.2092-1425**

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

[www.wago.com/2092-1425](http://www.wago.com/2092-1425)



**Item no.2092-1405**

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

[www.wago.com/2092-1405](http://www.wago.com/2092-1405)



**Item no.2092-1525/002-000**

1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; Integrated release lever; 2,50 mm²; light gray

[www.wago.com/2092-1525/002-000](http://www.wago.com/2092-1525/002-000)

## Optional accessories

### Testing and measuring

#### 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

[www.wago.com/735-500](http://www.wago.com/735-500)

### Tool

#### Operating tool



**Item no.: 210-719**

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

[www.wago.com/210-719](http://www.wago.com/210-719)

## Downloads

### Documentation

#### Additional Information

|                        |            |        |          |
|------------------------|------------|--------|----------|
| Technical Section      | 2019 Apr 3 | pdf    | Download |
| Technical explanations |            | 2.1 MB |          |

## Environmental Product Compliance

### Compliance Search

|   |     |          |
|---|-----|----------|
| Environmental Product Compliance 2092-1105/000-5000   | URL | Download |
| 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; Gripping plate; direct marking; 2,50 mm²; light gray |     |          |

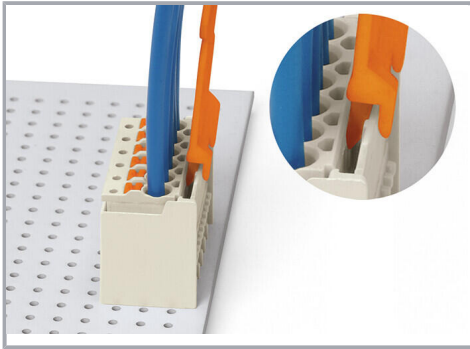
## Installation Notes

Subject to changes. Please also observe the further product documentation!

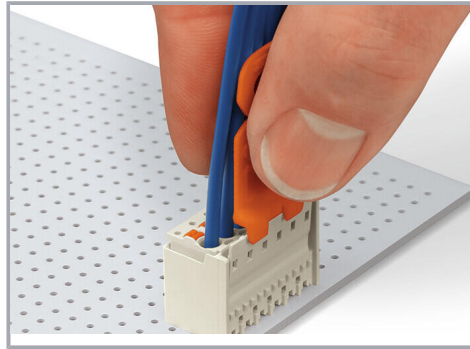
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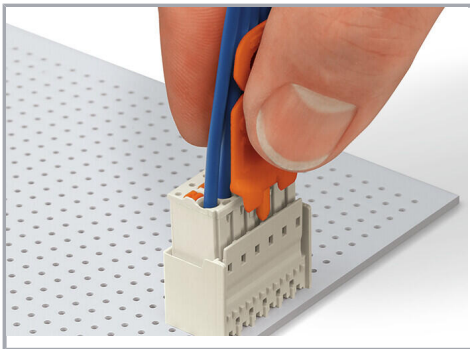
### Locking system



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

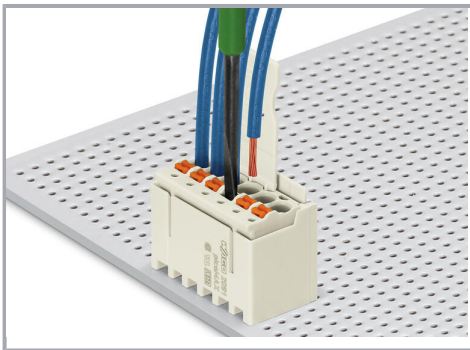


Insert unlocking tool until it hits the backstop. Wedge opens locking latches.

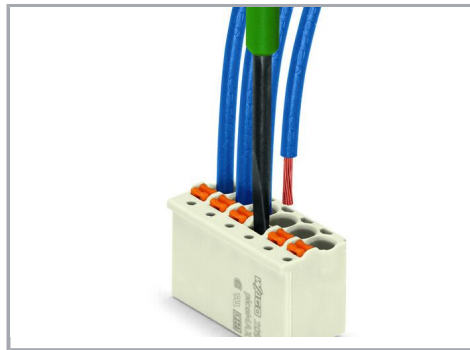


Pull on both unlocking tool and conductors to remove female connector from male header.

### Conductor termination

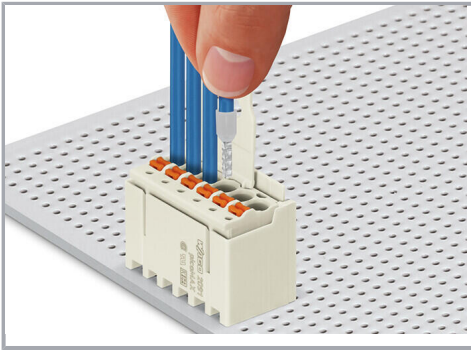


Inserting fine-stranded conductor into mated female connector via push-button.



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

Subject to changes. Please also observe the further product documentation!



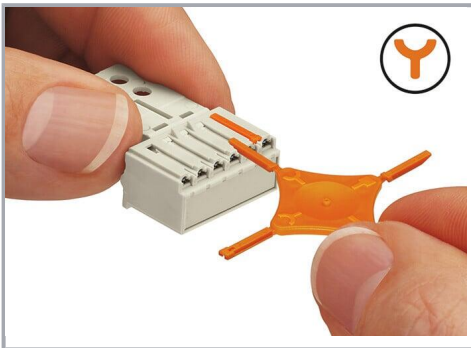
Inserting solid and ferruled conductors via push-in termination.

### 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

Subject to changes. Please also observe the further product documentation!





Testing via 1 mm Ø test pin – touch contact.

Subject to changes. Please also observe the further product documentation!