

Data Sheet | Item Number: 2092-1123/000-1000

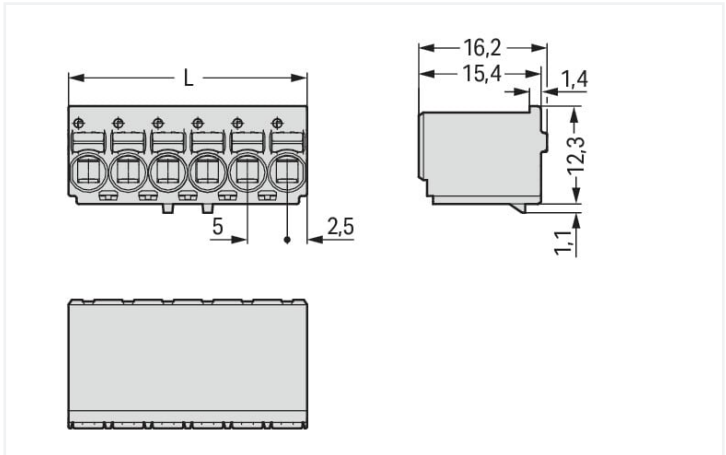
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; direct marking; 2,50 mm²; light gray

<https://www.wago.com/2092-1123/000-1000>



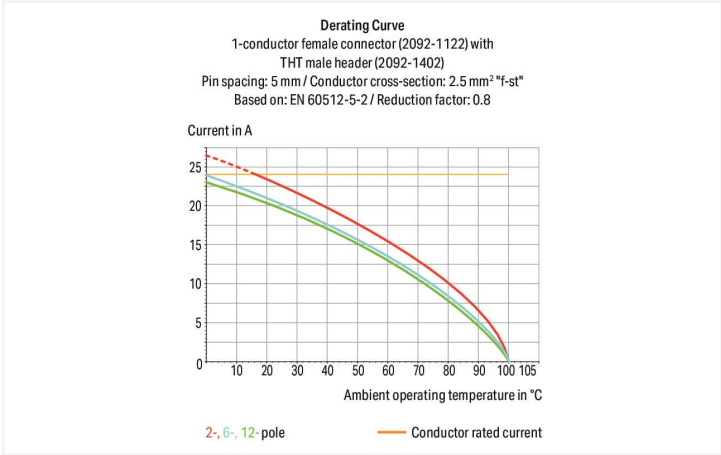
Color: ■ light gray

Similar to illustration



Dimensions in mm

L = pole no. 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 |       |  |
| Overvoltage category | III   | III            | II    |  |
| Pollution degree     | 3     | 2              | 2     |  |
| Nominal voltage      | 250 V | 320 V          | 630 V |  |
| Rated surge voltage  | 4 kV  | 4 kV           | 4 kV  |  |
| Rated current        | 16 A  | 16 A           | 16 A  |  |
| Approvals per        |       | UL 1059        |       |  |
| Use group            | B     | C              | D     |  |
| Rated voltage        | 300 V | -              | 300 V |  |
| Rated current        | 15 A  | -              | 10 A  |  |

| Connection data            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection points          | 3 | <div>Connection 1</div> <div>Connection technology</div> <div>Push-in CAGE CLAMP®</div> <div>Actuation type</div> <div>Push-button</div> <div>Actuation direction 1</div> <div>Operation parallel to conductor entry</div> <div>Solid conductor</div> <div>0.2 ... 2.5 mm² / 24 ... 12 AWG</div> <div>Fine-stranded conductor</div> <div>0.2 ... 2.5 mm² / 24 ... 12 AWG</div> <div>Fine-stranded conductor; with insulated ferrule</div> <div>0.25 ... 1.5 mm²</div> <div>Fine-stranded conductor; with uninsulated ferrule</div> <div>0.25 ... 2.5 mm²</div> <div>Strip length</div> <div>9 ... 10 mm / 0.35 ... 0.39 inches</div> <div>Pole number</div> <div>3</div> |
| Total number of potentials | 3 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Number of connection types | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Number of levels           | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 5 mm / 0.197 inches    |
| Width         | 15 mm / 0.591 inches   |
| Height        | 16.2 mm / 0.638 inches |
| Depth         | 13.4 mm / 0.528 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                   | 0.059 MJ                                                                                                               |
| Weight                      | 2.8 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)              | 200 pcs       |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4050821357773 |
| 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>2092-1123/000-1000 |  |



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.: 2092-1523/002-000**  
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Integrated release lever; 2,50 mm²; light gray



**Item No.: 2092-1423**  
THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 3-pole; light gray



**Item No.: 2092-1403**  
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 3-pole; light gray

1.2 Optional Accessories

1.2.1 Strain relief

1.2.1.1 Strain relief plate



**Item No.: 2092-1601/002-000**  
Gripping plate with sliding connector release; for female and male connectors; 2 parts; Pin spacing 5 mm; 3- to 4-pole; light gray



**Item No.: 2092-1601**  
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray

1.2.2 Test and measurement

1.2.2.1 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

1.2.3 Tool

1.2.3.1 Operating tool



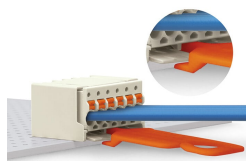
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



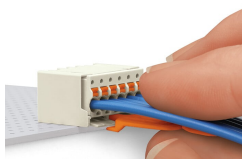
**Item No.: 2092-1630**  
Unlocking tool; orange

## Installation Notes

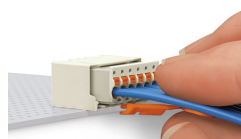
### Locking system



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

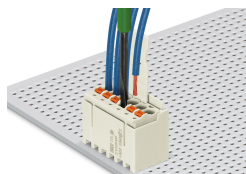


Insert unlocking tool until it hits the back-stop. Wedge opens locking latches.



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

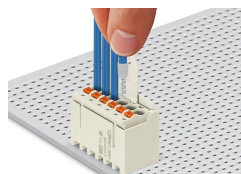
### Conductor termination



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



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



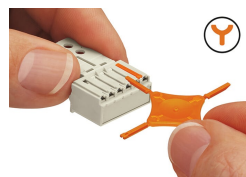
Inserting solid and ferruled conductors via push-in termination.

### 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.