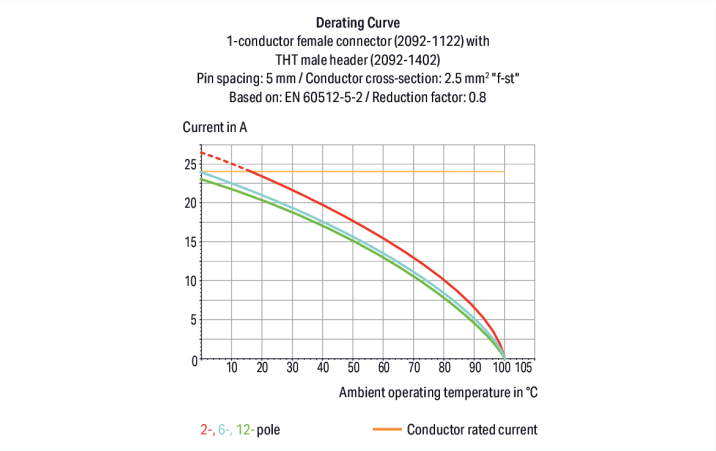
# Data Sheet | Item Number: 2092-1106

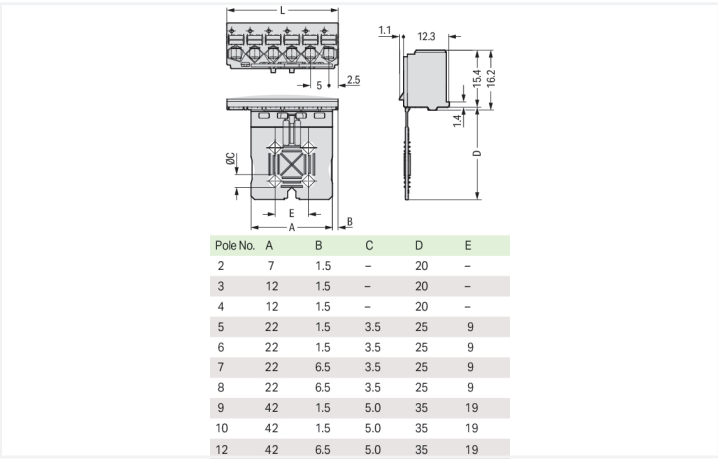
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 6-pole; Gripping plate; 2,50 mm²; light gray

https://www.wago.com/2092-1106






Color: light gray




| 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 |

Dimensions in mm
L = pole no. x pin spacing

Female connector, 2092 Series, Push-in CAGE CLAMP®

This female connector (item number 2092-1106) simplifies electrical installations. Ensure that the strip lengths are between 9 and 10 mm when connecting conductors to this female connector. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this connector outperforms the competition. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. The dimensions are (30 x 40.4 x 13.4) mm (width x height x depth). Depending on the type of conductor, this female connector is suitable for conductor cross sections ranging from 0.2 mm² to 2.5 mm².

Tin is used for coating the contact surfaces.

## 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.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. |
| Safety information 2 | The use of ferrules is recommended for applications with higher requirements.<br><br>To prevent excessive force on the clamping point, effective cable strain relief must be used. |
| Variants: | Direct marking<br>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 | | |
|---|---|---|---|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | 320 V | 630 V |
| Rated impulse withstand 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

| | |
|---|---|
| Clamping units | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels | 1 |

### Connection 1

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-button |
| 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 | 6 |

## Physical data

| | |
|---|---|
| Pin spacing | 5 mm / 0.197 inches |
| Width | 30 mm / 1.181 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 |


Continued on next page

## 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) | Information on material specifications can be found here |
| Color | light gray |
| Material group | I |
| Insulation material (main housing) | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Electrolytic copper ($E_{Cu}$) |
| Contact Plating | Tin |
| Fire load | 0.075 MJ |
| Weight | 5.9 g |

## Environmental requirements

| | |
|---|---|
| Limit temperature range | -60 … +100 °C |
| Processing temperature | -35 … +60 °C |

## Commercial data

| | |
|---|---|
| Product Group | 26 (picoMAX Connectors) |
| PU (SPU) | 50 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4050821163435 |
| Customs tariff number | 85366990990 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121409 |
| eCl@ss 10.0 | 27-14-11-06 |
| eCl@ss 9.0 | 27-14-11-06 |
| ETIM 9.0 | EC001284 |
| ETIM 10.0 | EC001284 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

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


Continued on next page

## Approvals / Certificates

### General approvals



| Approval | Standard | Certificate Name |
|---|---|---|
| CB<br>DEKRA Certification B.V. | IEC 61984 | NL-89885 |
| CSA<br>CSA Group | 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 | 71-129874 |
| UL<br>Underwriters Laboratories Inc. | UL 1977 | E45171 |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 2092-1106

### Documentation

**Additional Information**

| | | |
|---|---|---|
| Technical Section | 03.04.2019 | pdf<br>2027.26 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 2092-1106

**CAE data**

ZUKEN Portal 2092-1106


Continued on next page

# 1 Compatible Products

## 1.1 System counterpart

### 1.1.1 Male connector/plug



Item No.: 2092-1526/002-000
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 6-pole; Integrated release lever; 2,50 mm²; light gray



Item No.: 2092-1426
THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 6-pole; light gray



Item No.: 2092-1406
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 6-pole; light gray

## 1.2 Optional Accessories

### 1.2.1 Ferrule

#### 1.2.1.1 Ferrule



Item No.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored



Item No.: 216-302
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-132
Ferrule; Sleeve for 0.34 mm² / 22 AWG; uninsulated; electro-tin plated



Item No.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored



Item No.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-102
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; silver-colored



Item No.: 216-122
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; silver-colored



Item No.: 216-203
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated



Item No.: 216-143
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-204
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-144
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored



Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored

### 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


Continued on next page

### 1.2.3 Tool

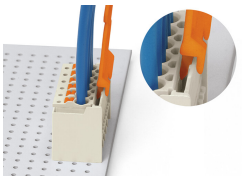
#### 1.2.3.1 Operating tool



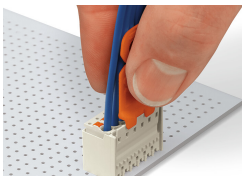
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

## Installation Notes

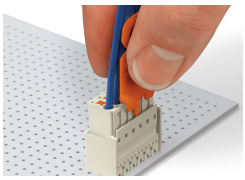
### Locking system



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

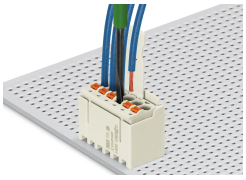


Insert unlocking tool until it hits the backstop. Wedge opens locking latches.

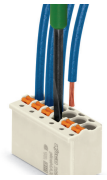


Pull on both unlocking tool and conductors to remove female connector from male header.

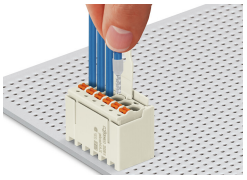
### Conductor termination



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



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



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).


Continued on next page

## Testing



Testing via 1 mm Ø test pin – touch contact.