

**Data sheet | Item number: 2092-1360**

1-conductor THT female connector angled; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 10-pole; 1.4 mm Ø solder pin; Gripping plate; 2,50 mm<sup>2</sup>; light gray

[www.wago.com/2092-1360](http://www.wago.com/2092-1360)



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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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We are always happy to take your call at +49 (571) 887-44222.



Dimensions in mm

L = pole no. x pin spacing

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

### Item description

- Universal connection for 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
- Integrated test ports for testing parallel to conductor entry

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- Custom-installed solder pins

## 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.

## Electrical data

### 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) ≙ 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          | 10 |
| Total number of potentials | 10 |
| Number of connection types | 1  |
| Number of levels           | 1  |

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## 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 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          |
| Conductor connection direction to PCB             | 0°  |
| Pole number                                       | 10  |

## Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5 mm / 0.197 inches      |
| Width                                | 50 mm / 1.969 inches     |
| Height                               | 13.4 mm / 0.528 inches   |
| Depth                                | 50.4 mm / 1.984 inches   |
| Solder pin length                    | 3.6 mm                   |
| Solder pin diameter                  | 1.4 mm                   |
| Drilled hole diameter with tolerance | 1.6 <sup>(+0.1)</sup> mm |

## Mechanical Data

|                          |                     |
|--------------------------|---------------------|
| Variable coding          | No                  |
| Design                   | With gripping plate |
| Anti-rotation protection | Yes                 |

## Plug-in connection

|                                      |                         |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector)   | Female connector/socket |
| Connector (connection type)          | for PCB                 |
| Mismating protection                 | No                      |
| Plugging without loss of pin spacing | Yes                     |
| Mating direction to the PCB          | 0°                      |
| Locking of plug-in connection        | none                    |

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



## PCB contact

|             |     |
|-------------|-----|
| PCB contact | THT |
|-------------|-----|

## Material Data

Note (material data)

Information on material specifications can be found here

|                             |  |
|-----------------------------|--|
| 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                   | 0.065 MJ                               |
| Weight                      | 13.2 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           | 27-44-04-02             |
| eCl@ss 9.0            | 27-44-04-02             |
| ETIM 8.0              | EC002637                |
| ETIM 7.0              | EC002637                |
| PU (SPU)              | 50 pcs                  |
| Packaging type        | box                     |
| Country of origin     | DE                      |
| GTIN                  | 4050821165408           |
| Customs tariff number | 85366990990             |

## Environmental Product Compliance

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

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## 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 No. 158            | 2362521                |
|      | <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                 |

## Downloads

### Documentation

#### Additional Information

2019 年4月3日

pdf  
2.0 MB[Download](#)

## CAD/CAE-Data

### PCB Design

Symbol and Footprint 2092-1360

[URL](#)[Download](#)

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad

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- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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#### CAD data

|                        | URL | Download |
|------------------------|-----|----------|
| 2D/3D Models 2092-1360 |     |          |

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#### Environmental Product Compliance

##### Compliance Search

|  | URL | Download |
|--|-----|----------|
| Environmental Product Compliance 2092-1360 |     |          |

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#### Installation Notes

##### Conductor termination

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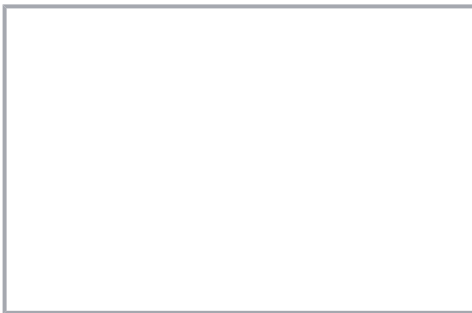


Terminating fine-stranded conductors and removing all conductor types via push-buttons.

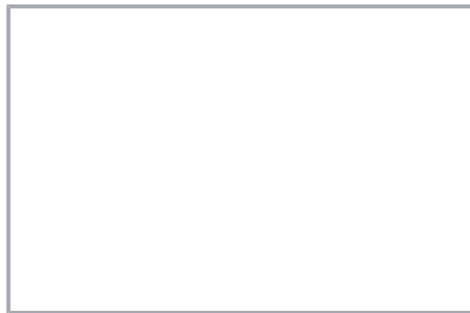


Solid and ferruled conductors are terminated by simply pushing them into unit.

### Marking

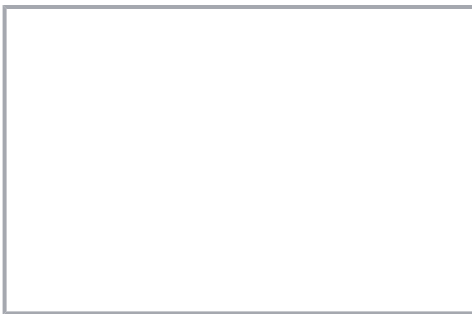


Pole marking via direct marking perpendicular to conductor entry.



Pole marking via factory direct marking.

### Testing



Testing via 1 mm Ø test pin – touch contact.

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