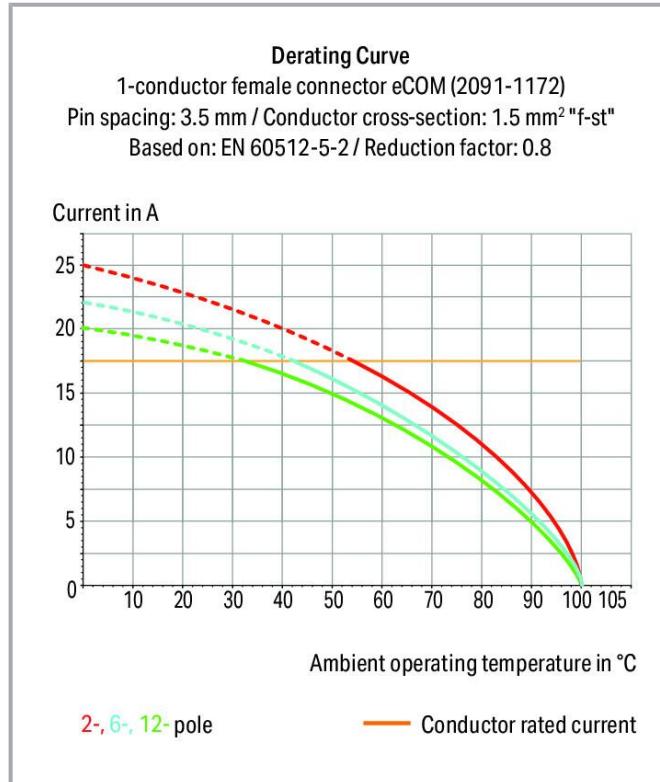


Picture differs from the item.

Color: —



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

WAGO GmbH & Co. KG

Hansastraße 27

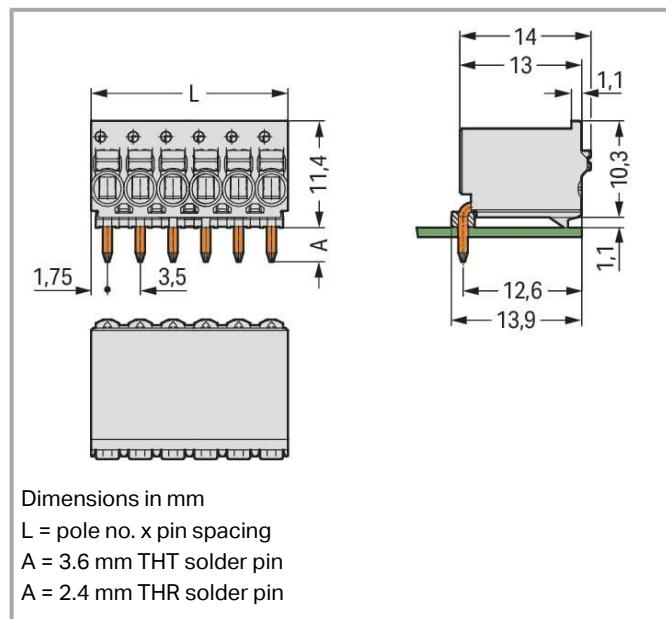
32423 Minden

Phone: +49 571 887-0 | Fax: +49 571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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



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
- 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

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

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49 571 887-0 | Fax: +49 571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.

| | |
|-------------------------------|--|
| Nominal voltage (III/3) | 160 V |
| Rated impulse voltage (III/3) | 2.5 kV |
| Rated voltage (III/2) | 160 V |
| Rated impulse voltage (III/2) | 2.5 kV |
| Nominal voltage (II/2) | 320 V |
| Rated surge voltage (II/2) | 2.5 kV |
| Rated current | 10 A |
| Legend (ratings) | (III / 2) \triangleq 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) | 10 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

Connection data

| | |
|----------------------------|---|
| Connection points | 4 |
| Total number of potentials | 4 |
| 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 ... 1.5 mm² / 24 ... 14 AWG |
| Fine-stranded conductor | 0.2 ... 1.5 mm² / 24 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 ... 0.75 mm² |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm² |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Conductor connection direction to PCB | 0 ° |
| Pole number | 4 |

Physical data

| | |
|-------------|-----------------------|
| Pin spacing | 3.5 mm / 0.138 inches |
|-------------|-----------------------|

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

| | |
|--------------------------------------|--------------------------|
| Width | 14 mm / 0.551 inches |
| Height | 11.4 mm / 0.449 inches |
| Depth | 14 mm / 0.551 inches |
| Solder pin length | 3.6 mm |
| Solder pin diameter | 1 mm |
| Drilled hole diameter with tolerance | 1.2 ^(+0.1) mm |

Mechanical Data

| | |
|--------------------------|---------|
| Variable coding | No |
| Marking type | Numbers |
| 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 |

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 | Polypyromellitimide (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 | 0.006 MJ |
| Weight | 2.3 g |

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

Environmental requirements

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

Commercial data

| | |
|-----------------------|---------------|
| 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) | 200 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821367581 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

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

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------------|
| | CB DEKRA Certification B.V. | IEC 61984 | NL-49736 /A1 |
|  | CSA DEKRA Certification B.V. | C22.2 | 2362521 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 71- 102260 REV.1 |
|  | UL Underwriters Laboratories Inc. | UL 1977 | E45171 |

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

Optional accessories

Coding

Coding



Item no.: 2091-1610

Coding key carrier; suitable for 3.5 mm pin spacing; orange

www.wago.com/2091-1610

Downloads

Documentation

Additional Information

2019 Apr 3

pdf
2.1 MB

Download

CAD/CAE-Data

PCB Design

Symbol and Footprint 2091-1374/000-1000

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
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- 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

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

WAGO GmbH & Co. KG

Hansastraße 27

32423 Minden

Phone: +49 571 887-0 | Fax: +49 571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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

- 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
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2091-1374/000-1000

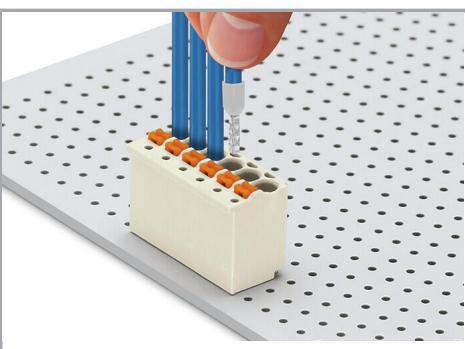
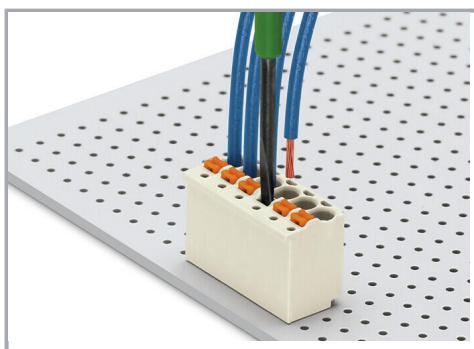
URL

Download

1-conductor THT female connector angled; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 1.0 mm Ø solder pin; direct marking; 1,50 mm²; light gray

Installation Notes

Conductor termination



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

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

WAGO GmbH & Co. KG

Hansastra. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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

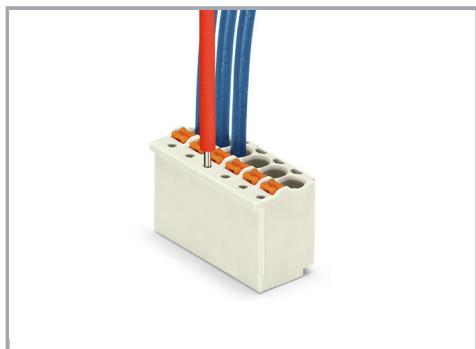


Pole marking via direct marking perpendicular to conductor entry.



Pole marking via factory direct marking.

Testing



Testing via 1 mm Ø test pin – touch contact.

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

WAGO GmbH & Co. KG

Hansastraße 27

32423 Minden

Phone: +49 571 887-0 | Fax: +49 571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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