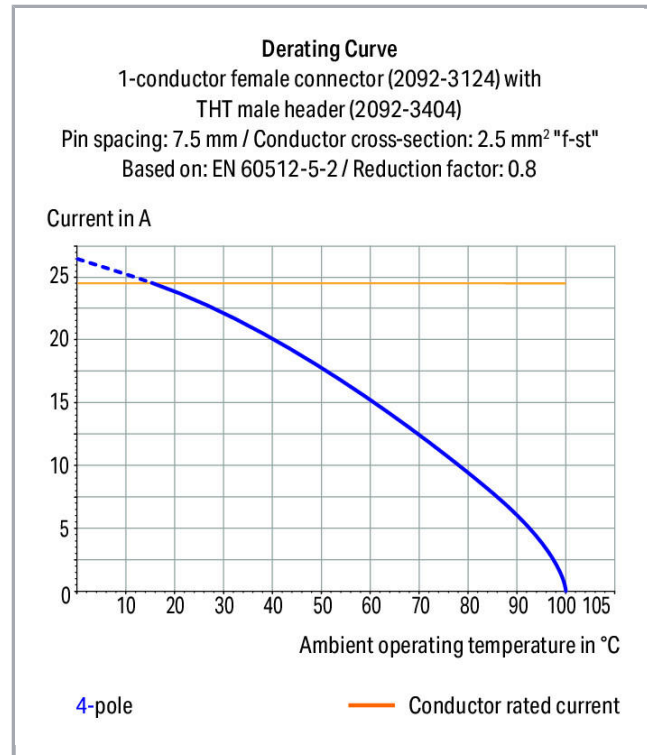


Data sheet | Item number: 2092-3402

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 2-pole;
light gray



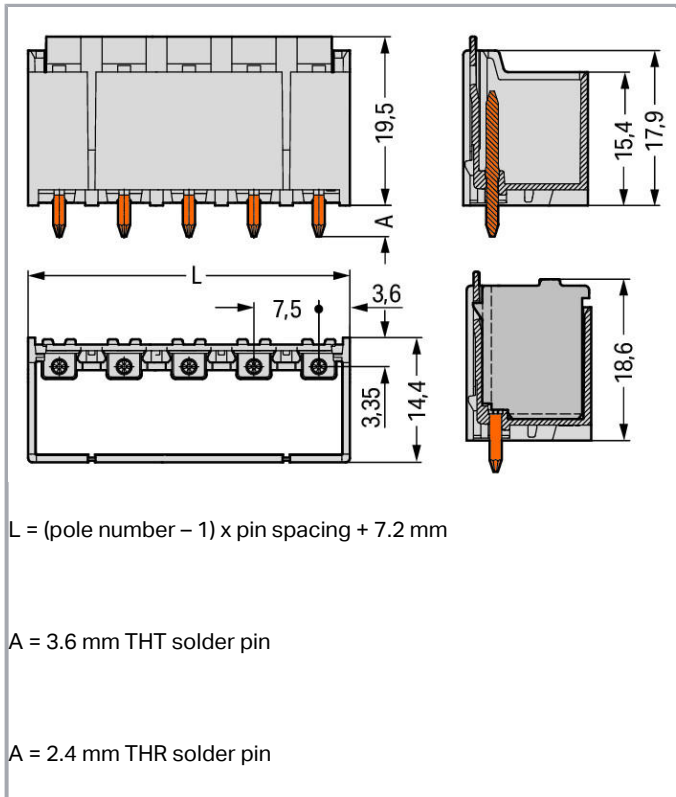
www.wago.com/2092-3402



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

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Item description

- Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header
- Coding pins inserted into the header interface prevent mismatching, allowing subsequent coding in panel feedthrough applications
- The female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 g

Safety information 1:

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.

Data

Electrical data

Ratings per IEC/EN 60664-1

| Ratings per | IEC/EN 60664-1 |
|---------------------------------|----------------|
| Rated voltage (III / 3) | 400 V |
| Rated impulse voltage (III / 3) | 6 kV |

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| | |
|---------------------------------|---|
| Rated voltage (III / 2) | 630 V |
| Rated impulse voltage (III / 2) | 6 kV |
| Rated voltage (II / 2) | 1000 V |
| Rated impulse voltage (II / 2) | 6 kV |
| Rated current | 16 A |
| Legend (ratings) | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

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 |
| Approvals per | UL 1059 |

Connection data

| | |
|----------------------------|---|
| No. of poles | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

Geometrical Data

| | |
|-----------------------------------|--------------------------|
| Pin spacing | 7,5 mm / 0.295 inch |
| Width | 14,7 mm / 0.579 inch |
| Height | 23,1 mm / 0.909 inch |
| Height from the surface | 19,5 mm / 0.768 inch |
| Depth | 14,4 mm / 0.567 inch |
| Solder pin length | 2.4 mm |
| Solder pin diameter | 1.4 mm |
| Drilled hole diameter (tolerance) | 1,6 ^(+0,1) mm |

Plug connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type | for PCB |
| Mismating protection | No |
| Mating direction to the PCB | 90° |
| Locking of plug-in connection | Locking latch |

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

PCB contact

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

Material Data

| | |
|-----------------------------|--|
| Color | light gray |
| Material group | I |
| Insulating material | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.04 MJ |
| Weight | 1.8 g |

Environmental Requirements


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

Commercial data

| | |
|--------------------|---------------|
| Product Group | 26 (picoMAX) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4050821164630 |
| Customs Tariff No. | 85366990990 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CSA DEKRA Certification B.V. | C22.2 | 2362521 |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--------------------------------------|--------------------------|---------------------|
| | UL Underwriters Laboratories Inc. | UL 1977 | 20190909- E45171 |

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



Counterpart



Item no.2092-3122

1-conductor female plug; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 2,50 mm²; light gray

www.wago.com/2092-3122



Item no.2092-3102

1-conductor female plug; Gripping plate; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 2,50 mm²; light gray

www.wago.com/2092-3102



Item no.2092-3102/002-000

1-conductor female plug; Gripping plate sliding connector release; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 2,50 mm²; light gray

www.wago.com/2092-3102/002-000



Item no.2092-3102/002-1000

1-conductor female plug; Gripping plate sliding connector release; direct marking; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 2,50 mm²; light gray

www.wago.com/2092-3102/002-1000



Item no.2092-3122/000-9500

1-conductor female plug; direct marking; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 2,50 mm²; light gray

www.wago.com/2092-3122/000-9500



Item no.2092-3122/000-9501

1-conductor female plug; direct marking; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 2,50 mm²; light gray

www.wago.com/2092-3122/000-9501

Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf
3.6 MB

Download

CAD/CAE-Data

CAD data

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2D/3D Models 2092-3402

[URL](#)

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PCB Design

Symbol and Footprint 2092-3402

[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
- 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

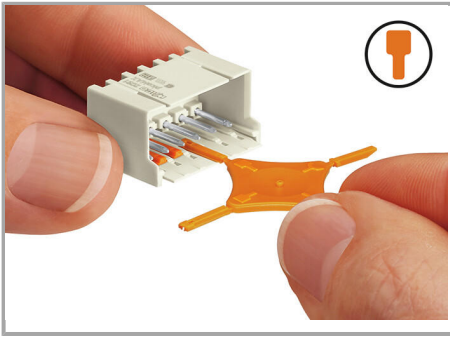
Installation Notes

Coding

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Coding a male header (via coding key carrier and two keys for male header, see symbol).

Product family

picoMAX

[Show all products from the family](#)

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