

Data sheet | Item number: 2092-3405

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 5-pole;
light gray



www.wago.com/2092-3405



Color:

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

WAGO GmbH & Co. KG
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Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 7.2 \text{ mm}$

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

Item description

- Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header (≥ 4 poles)
- 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

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



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.

Variants:

Direct marking

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data

Ratings per IEC/EN

| | |
|-------------------------------|--|
| Ratings per | IEC/EN 60664-1 |
| Nominal voltage (III/3) | 400 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated voltage (III/2) | 630 V |
| Rated impulse voltage (III/2) | 6 kV |
| Nominal voltage (II/2) | 1000 V |
| Rated surge voltage (II/2) | 6 kV |
| Rated current | 16 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) | 15 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

Connection data

| | |
|----------------------------|---|
| Total number of potentials | 5 |
| Number of connection types | 1 |
| Number of levels | 1 |

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Connection 1

| | |
|-------------|---|
| Pole number | 5 |
|-------------|---|

Physical data

| | |
|--------------------------------------|--------------------------|
| Pin spacing | 7.5 mm / 0.295 inches |
| Width | 37.2 mm / 1.465 inches |
| Height | 23.1 mm / 0.909 inches |
| Height from the surface | 19.5 mm / 0.768 inches |
| Depth | 14.4 mm / 0.567 inches |
| Solder pin length | 2.4 mm |
| Solder pin diameter | 1.4 mm |
| Drilled hole diameter with tolerance | 1.6 ^(+0.1) mm |

Mechanical Data

| | |
|--------------------------|-----|
| Variable coding | Yes |
| Anti-rotation protection | Yes |

Plug-in connection

| | |
|--------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type) | for PCB |
| Mismating protection | No |
| Plugging without loss of pin spacing | Yes |
| Mating direction to the PCB | 90 ° |
| Locking of plug-in connection | Locking latch |

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) |

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



| | |
|-----------------------------|--|
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | Tin |
| Fire load | 0.079 MJ |
| Weight | 3.7 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) | 100 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821164661 |
| Customs tariff number | 85366930000 |

Environmental Product Compliance

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

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------------|
| | CSA DEKRA Certification B.V. | C22.2 No. 158 | 2362521 |
| | CSA DEKRA Certification B.V. | C22.2 | 2362521 |
| | cURus Underwriters Laboratories Inc. | UL 1059 | E45172 |
| | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 71- 102261 REV.2 |

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

UL
Underwriters Laboratories Inc.

UL 1977

E45171

Counterpart

| | |
|---|--|
| Item no.2092-3125 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; 2,50 mm²; light gray | www.wago.com/2092-3125 |
| Item no.2092-3105 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; Gripping plate; 2,50 mm²; light gray | www.wago.com/2092-3105 |
| Item no.2092-3105/002-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; Gripping plate sliding connector release; 2,50 mm²; light gray | www.wago.com/2092-3105/002-000 |
| Item no.2092-3105/002-1000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; Gripping plate sliding connector release; direct marking; 2,50 mm²; light gray | www.wago.com/2092-3105/002-1000 |

Downloads

Documentation

Additional Information

2019 年4月3日

pdf
2.0 MB

Download

CAD/CAE-Data

PCB Design

Symbol and Footprint 2092-3405

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

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- 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

CAE data

| | | |
|------------------------|---------------------|--------------------------|
| ZUKEN Portal 2092-3405 | URL | Download |
|------------------------|---------------------|--------------------------|

CAD data

| | | |
|------------------------|---------------------|--------------------------|
| 2D/3D Models 2092-3405 | URL | Download |
|------------------------|---------------------|--------------------------|

Environmental Product Compliance

Compliance Search

| | | |
|--|---------------------|--------------------------|
| Environmental Product Compliance 2092-3405 | URL | Download |
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Installation Notes

Coding

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

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