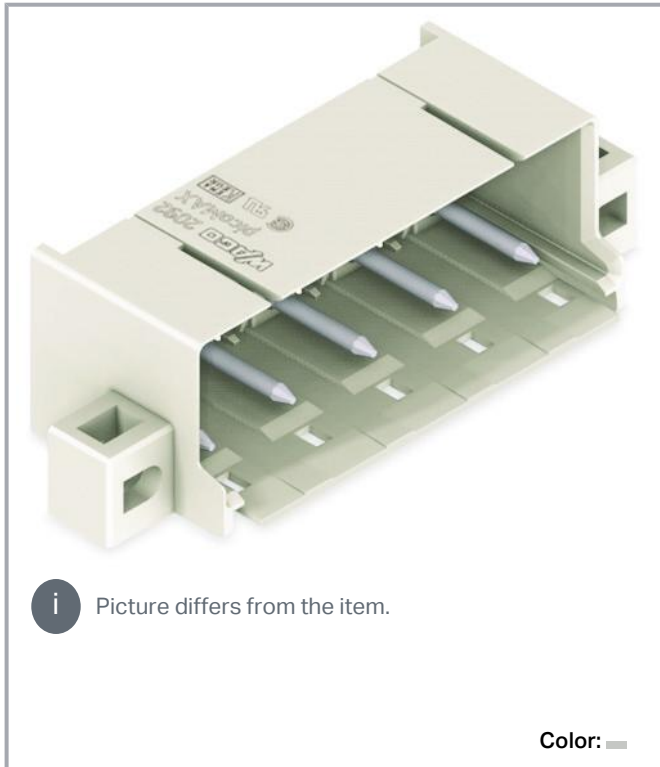


**Data sheet | Item number: 2092-3424/205-000**

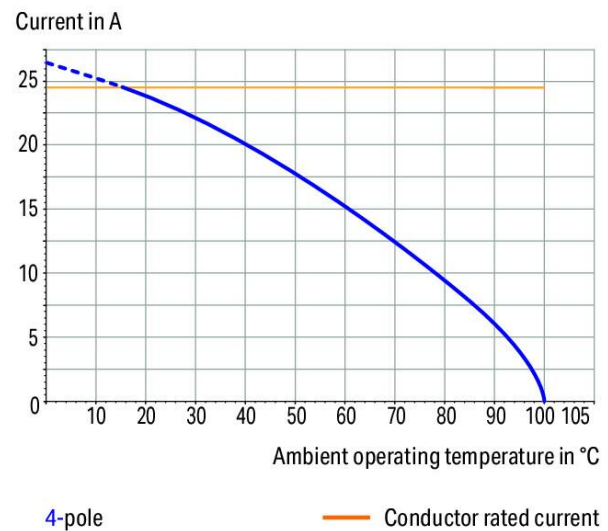
THR male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 7.5 mm; 4-pole; light gray

[www.wago.com/2092-3424/205-000](http://www.wago.com/2092-3424/205-000)



Picture differs from the item.

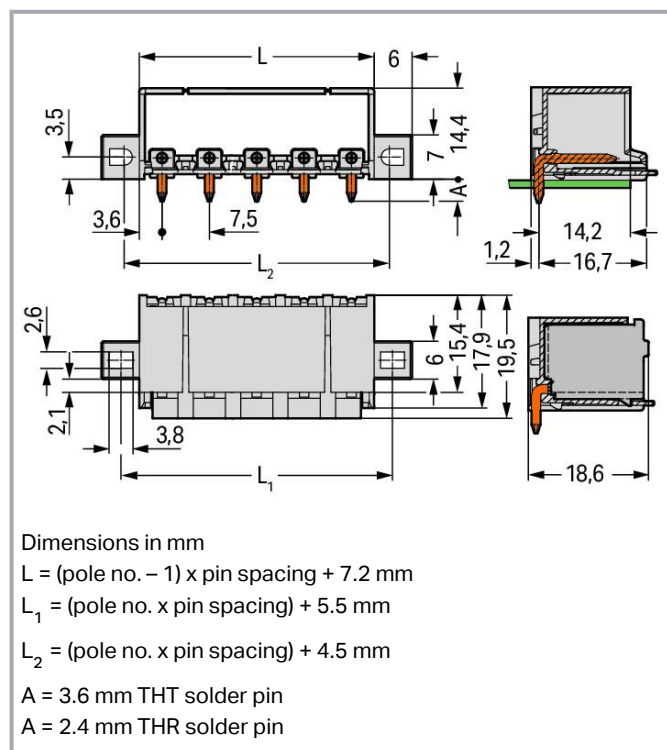
**Derating Curve**  
1-conductor female connector (2092-3124) with  
THT male header (2092-3404)  
Pin spacing: 7.5 mm / Conductor cross-section: 2.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



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 ( $\geq 4$  poles)
- Coding pins inserted into the header interface prevent mismating, 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

## 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

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

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## 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 | 4 |
| Number of connection types | 1 |
| Number of levels           | 1 |

## Connection 1

|             |   |
|-------------|---|
| Pole number | 4 |
|-------------|---|

## Physical data

|                                    |                          |
|------------------------------------|--------------------------|
| Pin spacing                        | 7.5 mm / 0.295 inches    |
| Width                              | 41.7 mm / 1.642 inches   |
| Height                             | 16.8 mm / 0.661 inches   |
| Height from the surface            | 14.4 mm / 0.567 inches   |
| Depth                              | 19.5 mm / 0.768 inches   |
| Solder pin length                  | 2.4 mm                   |
| Solder pin diameter                | 1.4 mm                   |
| Plated through-hole diameter (THR) | 1.6 <sup>(+0.1)</sup> mm |

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## Mechanical data

|                          |                                         |
|--------------------------|-----------------------------------------|
| Variable coding          | Yes                                     |
| Mounting type            | Mounting flange                         |
| Mounting type            | Feed-through mounting<br>Panel mounting |
| 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 | No                  |
| Mating direction to the PCB          | 0 °                 |
| Locking of plug-in connection        | Locking latch       |

## PCB contact

|             |     |
|-------------|-----|
| PCB contact | THR |
|-------------|-----|

## 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                                                       |
| Contact material            | Electrolytic copper ( $E_{Cu}$ )                         |
| Contact plating             | Tin                                                      |
| Fire load                   | 0.08 MJ                                                  |
| Weight                      | 3.5 g                                                    |
| MSL per J-STD 020D          | 1                                                        |

## Environmental requirements

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

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## 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      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 100 pcs       |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4050821396659 |
| Customs tariff number | 85366930000   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                                       | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|------------------|
|                                                                                    | <b>CB</b><br>DEKRA Certification B.V.          | IEC 61984                | NL-49737 /A1     |
|  | <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                 | 71-102261 REV.2  |
|  | <b>UL</b><br>Underwriters Laboratories Inc.    | UL 1977                  | E45171           |

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## Counterpart



Item no.2092-3124

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 7.5 mm; 4-pole; 2,50 mm<sup>2</sup>; light gray[www.wago.com/2092-3124](http://www.wago.com/2092-3124)

## Downloads

### Documentation

#### Additional Information

|                        |            |                 |          |
|------------------------|------------|-----------------|----------|
| Technical Section      | 2019 年4月3日 | pdf<br>2.1 MB   | Download |
| Technical explanations |            |                 |          |
| THR Soldering Process  |            | pdf<br>556.8 kB | Download |

## CAD/CAE-Data

### CAD data

|                                |     |          |
|--------------------------------|-----|----------|
| 2D/3D Models 2092-3424/205-000 | URL | Download |
|--------------------------------|-----|----------|

### CAE data

|                                |     |          |
|--------------------------------|-----|----------|
| ZUKEN Portal 2092-3424/205-000 | URL | Download |
|--------------------------------|-----|----------|

### Asset Administration Shell

|                                              |     |          |
|----------------------------------------------|-----|----------|
| Asset Administration Shell 2092-3424/205-000 | URL | Download |
|----------------------------------------------|-----|----------|

### PCB Design

|                                                                                                                                                                     |     |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Symbol and Footprint via Ultra Librarian 2092-3424/205-000                                                                                                          | 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

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



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

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

---

Symbol and Footprint via SamacSys 2092-3424/205-000

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:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO

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- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

Environmental Product Compliance

Compliance Search

|                                                                                                       |     |          |
|-------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 2092-3424/205-000                                                    | URL | Download |
| THR male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 7.5 mm; 4-pole; light gray |     |          |

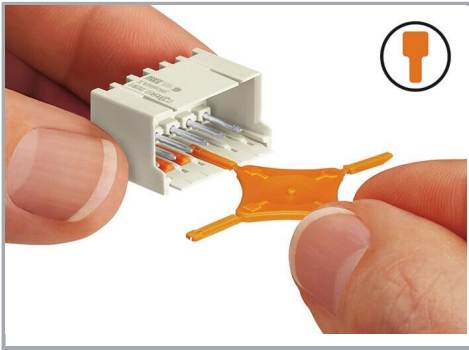
Installation Notes

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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