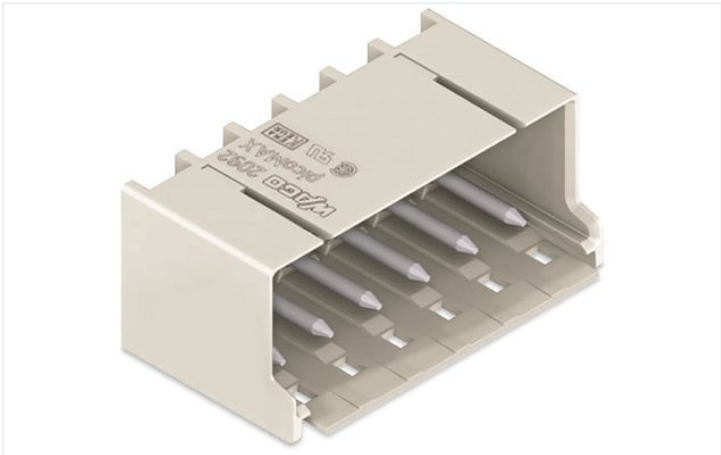
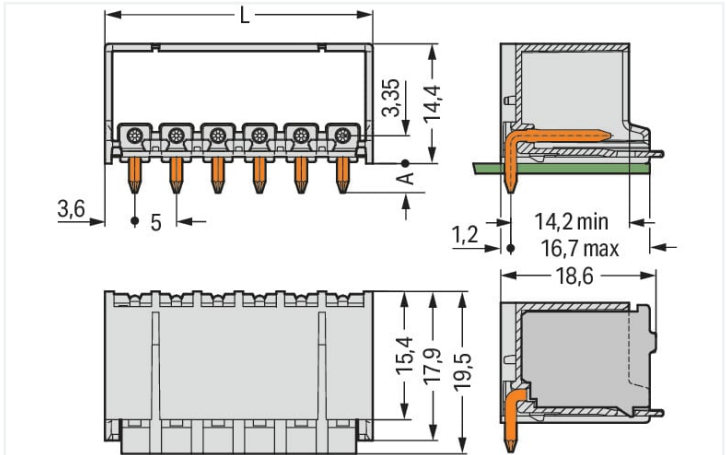


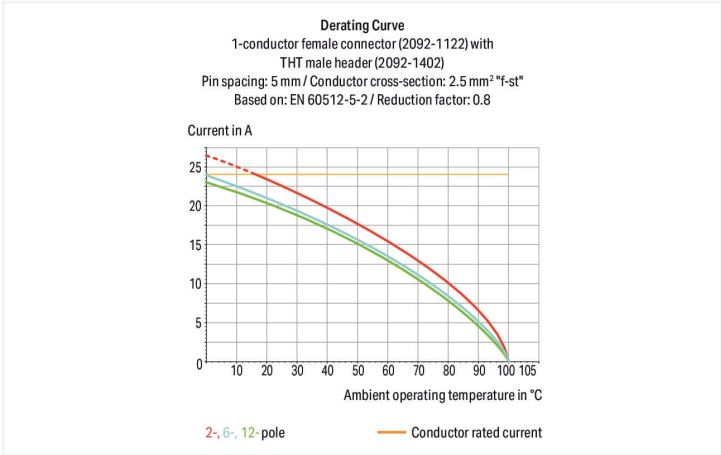


Color: ■ light gray

Similar to illustration



Dimensions in mm  
 $L = (\text{pole no.} \times \text{pin spacing}) + 2.2 \text{ mm}$   
 $A = 3.6 \text{ mm THT solder pin}$   
 $A = 2.4 \text{ mm THR solder pin}$



- 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 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

| Notes              |  |                                                                                                                                                                                                                                                                                                                                   |  |
|--------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Safety information |  | The <b>picoMAX® Pluggable Connection System</b> 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<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                    |  |

| Electrical data      |  |                |       |
|----------------------|--|----------------|-------|
| Ratings per          |  | IEC/EN 60664-1 |       |
| Overvoltage category |  | III            | II    |
| Pollution degree     |  | 3              | 2     |
| Nominal voltage      |  | 250 V          | 630 V |
| Rated surge voltage  |  | 4 kV           | 4 kV  |
| Rated current        |  | 16 A           | 16 A  |
| Approvals per        |  | UL 1059        |       |
| Use group            |  | B              | D     |
| Rated voltage        |  | 300 V          | 300 V |
| Rated current        |  | 15 A           | 10 A  |



| Connection data            |   |               |
|----------------------------|---|---------------|
| Total number of potentials | 2 | Connection 1  |
| Number of connection types | 1 |               |
| Number of levels           | 1 |               |
|                            |   | Pole number 2 |

| Physical data                        |                        |  |
|--------------------------------------|------------------------|--|
| Pin spacing                          | 5 mm / 0.197 inches    |  |
| Width                                | 12.2 mm / 0.48 inches  |  |
| Height                               | 18 mm / 0.709 inches   |  |
| Height from the surface              | 14.4 mm / 0.567 inches |  |
| Depth                                | 19.5 mm / 0.768 inches |  |
| Solder pin length                    | 3.6 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          | 0 °                 |  |
| Locking of plug-in connection        | Locking latch       |  |

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

| Material data               |                                                                                                                        |  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|--|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |  |
| Color                       | light gray                                                                                                             |  |
| Material group              | I                                                                                                                      |  |
| Insulation material         | Polyphthalamide (PPA GF)                                                                                               |  |
| Flammability class per UL94 | V0                                                                                                                     |  |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                                                                                 |  |
| Contact plating             | Tin                                                                                                                    |  |
| Fire load                   | 0.036 MJ                                                                                                               |  |
| Weight                      | 1.6 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)              | 200 pcs                 |
| Packaging type        | Box                     |
| Country of origin     | DE                      |
| GTIN                  | 4050821163916           |
| Customs tariff number | 85366930000             |

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

Approvals / Certificates

General approvals



| Approval                                | Standard      | Certificate Name |
|-----------------------------------------|---------------|------------------|
| CB<br>DEKRA Certification B.V.          | IEC 61984     | NL-49737/A1      |
| CSA<br>DEKRA Certification B.V.         | C22.2         | 2362521          |
| CSA<br>DEKRA Certification B.V.         | C22.2 No. 158 | 2362521          |
| cURus<br>Underwriters Laboratories Inc. | UL 1059       | E45172           |
| KEMA/KEUR<br>DEKRA Certification B.V.   | EN 61984      | 71-102261 REV.2  |
| UL<br>Underwriters Laboratories Inc.    | UL 1977       | E45171           |

Downloads

Environmental Product Compliance

| Compliance Search                          |  |
|--------------------------------------------|--|
| Environmental Product Compliance 2092-1422 |  |

Documentation

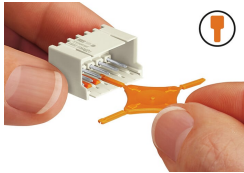
| Additional Information |            |                   |                                                                                   |
|------------------------|------------|-------------------|-----------------------------------------------------------------------------------|
| Technical Section      | 03.04.2019 | pdf<br>2010.85 KB |  |

CAD/CAE-Data

| CAD data                                                                                                    | CAE data                                                                                                      |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 2D/3D Models<br>2092-1422  | ZUKEN Portal<br>2092-1422  |

Installation Notes

Coding



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