

## Data Sheet | Item Number: 2092-1403

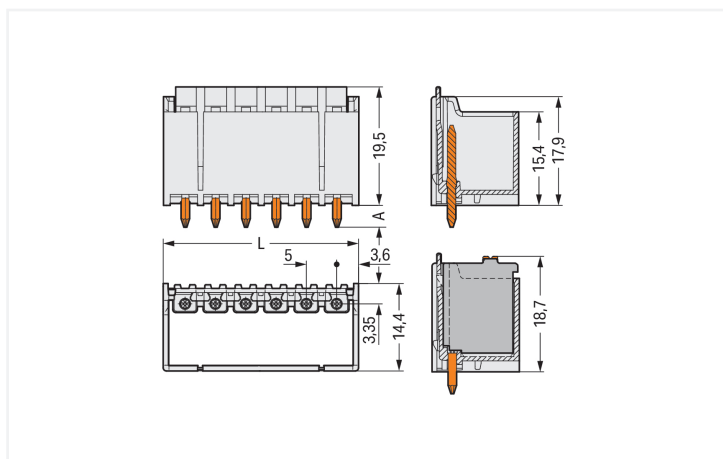
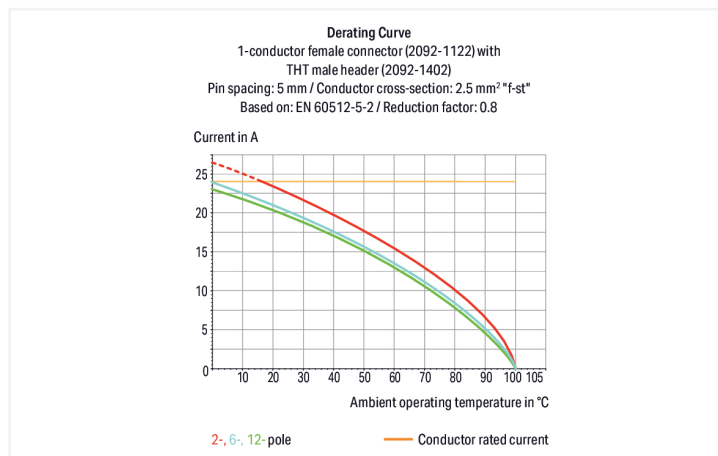
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 3-pole; light gray

<https://www.wago.com/2092-1403>



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

Male connector, 2092 Series, light gray

This male connector (item number 2092-1403) simplifies electrical installations. Dimensions: (17.2 x 23.1 x 14.4) mm (width x height x depth).

The contact surface is coated with tin. THT is used to assemble the pcb connector.



| 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. 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 |       |       | Approvals per |               |
|                                 |  | III            | III   | II    | UL 1059       |               |
| Overvoltage category            |  | III            | III   | II    | Use group     | B C D         |
| Pollution degree                |  | 3              | 2     | 2     | Rated voltage | 300 V - 300 V |
| Nominal voltage                 |  | 250 V          | 320 V | 630 V | Rated current | 15 A - 10 A   |
| Rated impulse withstand voltage |  | 4 kV           | 4 kV  | 4 kV  |               |               |
| Rated current                   |  | 16 A           | 16 A  | 16 A  |               |               |

| Connection Data            |   |                                      |
|----------------------------|---|--------------------------------------|
| Total number of potentials | 3 | <b>Connection 1</b><br>Pole number 3 |
| Number of connection types | 1 |                                      |
| Number of levels           | 1 |                                      |

| Physical data           |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 17.2 mm / 0.677 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       | 3.6 mm                 |
| Solder pin diameter     | 1.4 mm                 |
| !                       | 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)               |  | <a href="#">Information on material specifications can be found here</a> |
| Color                              |  | light gray                                                               |
| Material group                     |  | I                                                                        |
| Insulation material (main housing) |  | Polyphthalamide (PPA GF)                                                 |
| Flammability class per UL94        |  | V0                                                                       |
| Contact material                   |  | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    |  | Tin                                                                      |
| Fire load                          |  | 0.045 MJ                                                                 |
| Weight                             |  | 2.1 g                                                                    |

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

| Commercial data       |  |                         |
|-----------------------|--|-------------------------|
| Product Group         |  | 26 (picoMAX Connectors) |
| PU (SPU)              |  | 200 pcs                 |
| Packaging type        |  | Box                     |
| Country of origin     |  | DE                      |
| GTIN                  |  | 4050821163848           |
| Customs tariff number |  | 85366930000             |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121409             |
| eCl@ss 10.0            |  | 27-44-04-02          |
| eCl@ss 9.0             |  | 27-44-04-02          |
| ETIM 9.0               |  | EC002637             |
| ETIM 10.0              |  | EC002637             |
| ECCN                   |  | NO US CLASSIFICATION |

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

| Approvals / Certificates                |               |                                |           |
|-----------------------------------------|---------------|--------------------------------|-----------|
| General approvals                       |               | General approvals              |           |
|                                         |               | KEMA/KEUR                      | EN 61984  |
|                                         |               | DEKRA Certification B.V.       | 71-129874 |
|                                         |               | UL                             | UL 1977   |
|                                         |               | Underwriters Laboratories Inc. | E45171    |
| Approval                                | Standard      | Certificate Name               |           |
| CB<br>DEKRA Certification B.V.          | IEC 61984     | NL-89885                       |           |
| CSA<br>CSA Group                        | C22.2         | 2362521                        |           |
| CSA<br>DEKRA Certification B.V.         | C22.2 No. 158 | 2362521                        |           |
| cURus<br>Underwriters Laboratories Inc. | UL 1059       | E45172                         |           |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2092-1403

↓

Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 2092-1403

↓

CAE data

ZUKEN Portal 2092-1403

↓

PCB Design

Symbol and Footprint via SamacSys 2092-1403

↓

Symbol and Footprint via Ultra Librarian 2092-1403

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

|                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>Item No.: 2092-1123</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 2,50 mm²; light gray</div>                                                                    |  <div><b>Item No.: 2092-1123/000-1000</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; direct marking; 2,50 mm²; light gray</div> |  <div><b>Item No.: 2092-1123/000-5000</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; direct marking; 2,50 mm²; light gray</div>                |  <div><b>Item No.: 2092-1103/002-000</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Gripping plate sliding connector release; 2,50 mm²; light gray</div> |
|  <div><b>Item No.: 2092-1103/002-1000</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Gripping plate sliding connector release; direct marking; 2,50 mm²; light gray</div> |  <div><b>Item No.: 2092-1103</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Gripping plate; 2,50 mm²; light gray</div>          |  <div><b>Item No.: 2092-1103/000-1000</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Gripping plate; direct marking; 2,50 mm²; light gray</div> |  <div><b>Item No.: 2092-1103/000-5000</b><br/>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Gripping plate; direct marking; 2,50 mm²; light gray</div>          |

|                          |
|--------------------------|
| 1.2 Optional Accessories |
| 1.2.1 Coding             |
| 1.2.1.1 Coding           |



Item No.: [2092-1610](#)  
Coding key carrier; orange

|                    |
|--------------------|
| Installation Notes |
| Coding             |



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