

**Data sheet | Item number: 2092-1712**

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 12-pole;  
black



[www.wago.com/2092-1712](http://www.wago.com/2092-1712)



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

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## Item description

- Solder pin strips may be mounted horizontally or vertically via straight or angled solder pins
- Assembly of female connectors without loss of poles, allowing different functions to be divided within one solder pin strip

## Data

### Notes

Safety information

The **picoMAX<sup>®</sup> Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected

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/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Electrical data

### Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1   |
|-------------------------------|--|
| Nominal voltage (III/3)       | 250 V  |
| Rated impulse voltage (III/3) | 4 kV   |
| Rated voltage (III/2)         | 320 V  |
| Rated impulse voltage (III/2) | 4 kV   |
| Nominal voltage (II/2)        | 630 V  |
| Rated surge voltage (II/2)    | 4 kV   |
| Rated current                 | 16 A   |
| Legend (ratings)              | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

### Connection data

|                            |   |
|----------------------------|---|
| Number of connection types | 1 |
| Number of levels           | 1 |

### Connection 1

|             |    |
|-------------|----|
| Pole number | 12 |
|-------------|----|

### Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5 mm / 0.197 inches      |
| Width                                | 62.9 mm / 2.476 inches   |
| Height                               | 14.6 mm / 0.575 inches   |
| Height from the surface              | 11 mm / 0.433 inches     |
| Depth                                | 2.8 mm / 0.110 inches    |
| Solder pin length                    | 3.6 mm                   |
| Solder pin diameter                  | 1.4 mm                   |
| Drilled hole diameter with tolerance | 1.6 <sup>(+0.1)</sup> mm |

### Mechanical Data

|                 |    |
|-----------------|----|
| Variable coding | No |
|-----------------|----|

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|                          |     |
|--------------------------|-----|
| 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        | none                |

### PCB contact

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

### Material Data

|                      |  |
|----------------------|--|
| Note (material data) | Information on material specifications can be found here |
|----------------------|--|

|                             |  |
|-----------------------------|--|
| Color                       | black                                  |
| Material group              | I                                      |
| Insulation material         | Polyphthalamide (PPA GF)               |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | Tin                                    |
| Weight                      | 2.5 g                                  |

### Environmental requirements

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

### Commercial data

|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC002637      |
| ETIM 7.0              | EC002637      |
| PU (SPU)              | 300 pcs       |
| Packaging type        | bag           |
| Country of origin     | CN            |
| GTIN                  | 4055143935616 |
| Customs tariff number | 85366930000   |

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## Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

## Approvals / Certificates

### General approvals

| Logo | Approval                                     | Additional Approval Text | Certificate name       |
|------|--|--------------------------|------------------------|
|      | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2                    | 2362521                |
|      | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 61984                 | 71-<br>102261<br>REV.2 |
|      | <b>UL</b><br>Underwriters Laboratories Inc.  | UL 1977                  | E45171                 |

## Counterpart

Item no. 2092-1132

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 2,50 mm<sup>2</sup>; light gray[www.wago.com/2092-1132](http://www.wago.com/2092-1132)

## Downloads

### Documentation

#### Additional Information

2019 年4月3日

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2.0 MB

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## CAD/CAE-Data

### CAD data

2D/3D Models 2092-1712

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2092-1712

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## Installation Notes

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