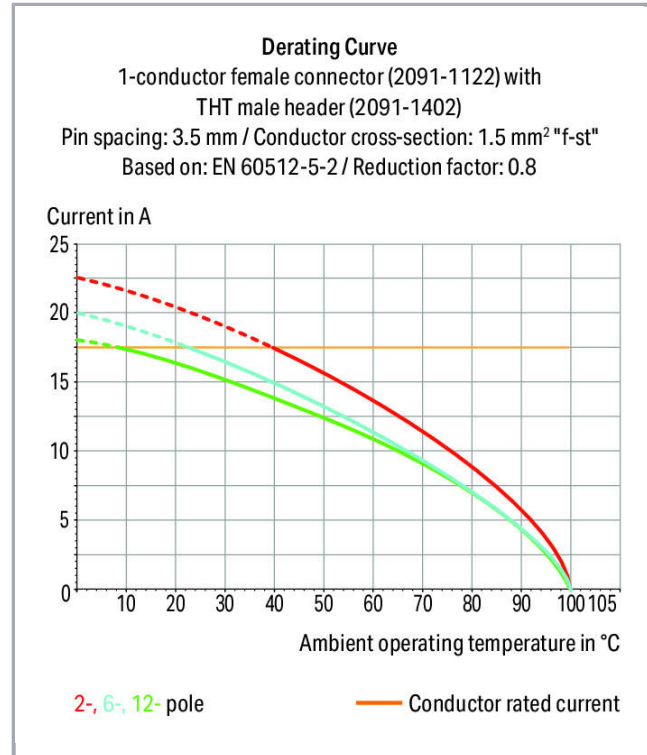


Fișă tehnică | Număr articol: 2091-1112/000-1000

1-conductor female plug; Gripping plate; direct marking; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 12-pole; 1,50 mm<sup>2</sup>; light gray

[www.wago.com/2091-1112/000-1000](http://www.wago.com/2091-1112/000-1000)



RoHS  Compliant

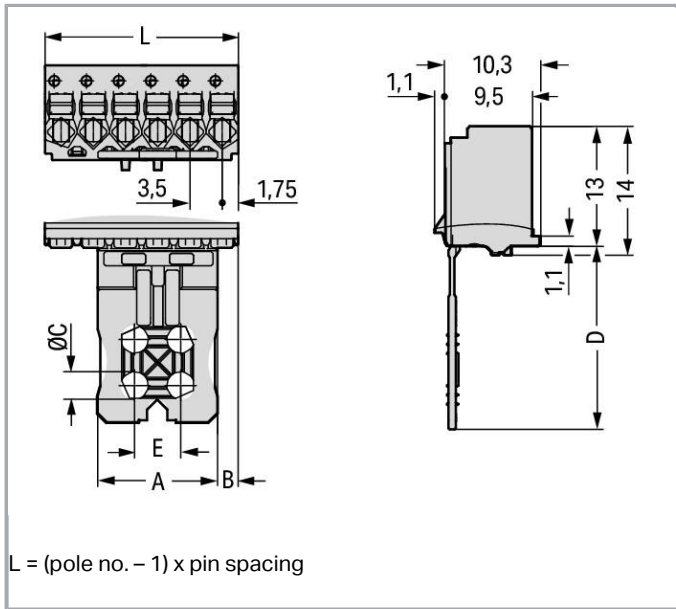
BOMcheck.net

Culoare:

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
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building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- Universal connection for all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require specialty tools
- Ability to wire while mated or unmated
- Test port parallel to conductor entry – touch contact
- Integrated locking latches prevent accidental disconnection

### Safety information 1:

The picoMAX® pluggable connection system is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

## Date

### Electrical data

### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60664-1 |
|-----------------------------|----------------|
| Nominal voltage (III/3)     | 160 V          |
| Rated surge voltage (III/3) | 2,5 kV         |
| Rated voltage (III/2)       | 160 V          |

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|                             |  |
|-----------------------------|--|
| Rated surge voltage (III/2) | 2,5 kV   |
| Nominal voltage (II/2)      | 320 V  |
| Rated surge voltage (II/2)  | 2,5 kV   |
| Rated current               | 10 A   |
| Legend (ratings)            | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

### Approvals per UL 1059

|                                |         |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 10 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |
| Approvals per                  | UL 1059 |

### Connection data

|   |   |
|---|---|
| Connection technology                             | Push-in CAGE CLAMP <sup>®</sup>             |
| Actuation type                                    | Push-button                                 |
| Solid conductor                                   | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG |
| Fine-stranded conductor                           | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 0.75 mm <sup>2</sup>               |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm <sup>2</sup>                |
| Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inch             |
| Pole No.  | 12  |
| Total number of connection points                 | 12  |
| Total number of potentials                        | 12  |
| Number of connection types                        | 1   |
| Number of levels                                  | 1   |

### Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 3.5 mm / 0.138 inch  |
| Width       | 42 mm / 1.654 inch   |
| Height      | 38 mm / 1.496 inch   |
| Depth       | 11.4 mm / 0.449 inch |

### Mechanical data

|        |                     |
|--------|---------------------|
| Design | With gripping plate |
|--------|---------------------|

Supus modificărilor.

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for conductors          |
| Mismating protection               | No                      |

## Material Data

|                             |  |
|-----------------------------|--|
| Color                       | light gray                             |
| Material group              | I                                      |
| Insulation material         | Polyphthalamide (PPA GF)               |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,152 MJ                               |
| Weight                      | 6,2 g                                  |

## Environmental Requirements



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

## Commercial data

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | DE            |
| GTIN                  | 4050821365907 |
| Customs tariff number | 85366990990   |

## Aprobări / certificate

### Country specific Approvals


| Emblemă  | Aprobare                              | Text de aprobare suplimentar | Nume certificat        |
|--|---------------------------------------|------------------------------|------------------------|
|  | CSA<br>DEKRA Certification B.V.       | C22.2                        | 2362521                |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984                     | 71-<br>102260<br>REV.1 |

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## UL-Approvals

| Emblemă  | Aprobare                             | Text de aprobare suplimentar | Nume certificat     |
|--|--------------------------------------|------------------------------|---------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 1977                      | 20190909-<br>E45171 |

## Counterpart


|  |  |  |
|--|--|--|
|  | <b>Nr. articol</b> 2091-1432<br>THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 12-pole; light gray  | <a href="http://www.wago.com/2091-1432">www.wago.com/2091-1432</a>                 |
|  | <b>Nr. articol</b> 2091-1412<br>THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 12-pole; light gray  | <a href="http://www.wago.com/2091-1412">www.wago.com/2091-1412</a>                 |
|  | <b>Nr. articol</b> 2091-1532/002-000<br>1-conductor male connector; Integrated release lever; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 12-pole; 1,50 mm <sup>2</sup> ; light gray | <a href="http://www.wago.com/2091-1532/002-000">www.wago.com/2091-1532/002-000</a> |

## Produse compatibile

## check

|  |   |  |
|--|---|--|
|  | <b>Nr. articol:</b> 735-500<br>Test pin; 1 mm Ø; with solder connection for test wire | <a href="http://www.wago.com/735-500">www.wago.com/735-500</a> |
|--|---|--|

## tools

|  |  |  |
|--|--|--|
|  | <b>Nr. articol:</b> 210-719<br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |
|--|--|--|

## Coding

|  |  |  |
|--|--|--|
|  | <b>Nr. articol:</b> 2091-1610<br>Coding key carrier; suitable for 3.5 mm pin spacing; orange | <a href="http://www.wago.com/2091-1610">www.wago.com/2091-1610</a> |
|--|--|--|

## Descărcări

## Documentation

## Additional Information

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

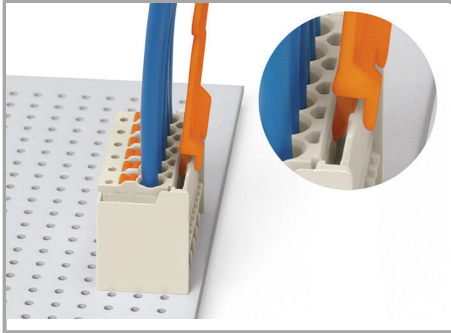
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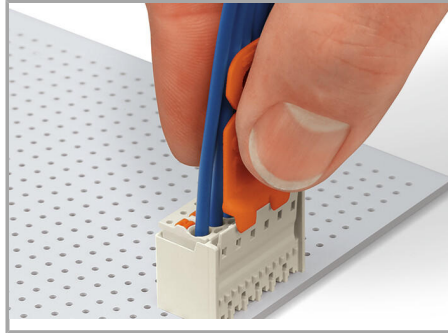
Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## Installation Notes

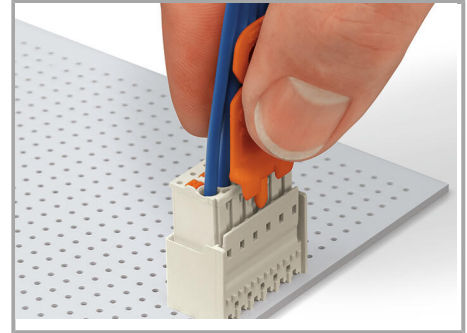
### Locking



Disconnecting female connector via unlocking tool. Plug unlocking tool into the male locking latch.

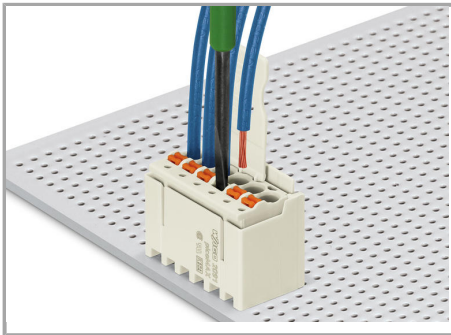


Insert unlocking tool until it hits backstop. Wedge opens locking latch.

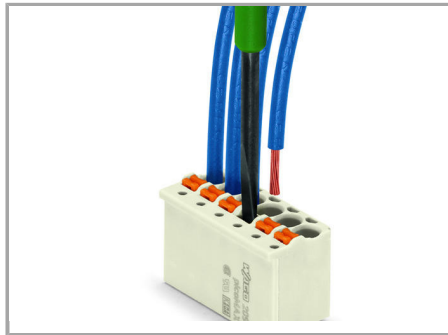


Pull on both unlocking tool and conductors to remove female connector from male header.

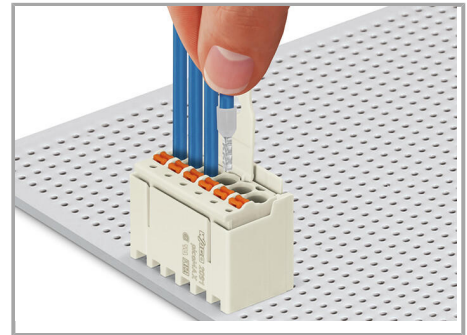
### Conductor termination



Inserting fine-stranded conductor into mated female connector via push-button.



Inserting fine-stranded conductor into unmated female connector via push-button.



Inserting solid and ferruled conductors via push-in termination

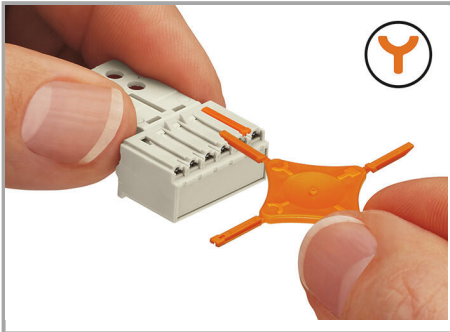
### Marking



Pole marking via factory direct printing.

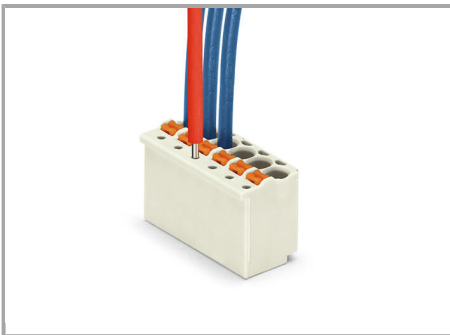
Supus modificărilor.

### Coding



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

### Testing



Testing with 1 mm Ø test pin, tip contact.

### Familie de produse

picoMAX

Afișare globală produse din familie.

Supus modificărilor.