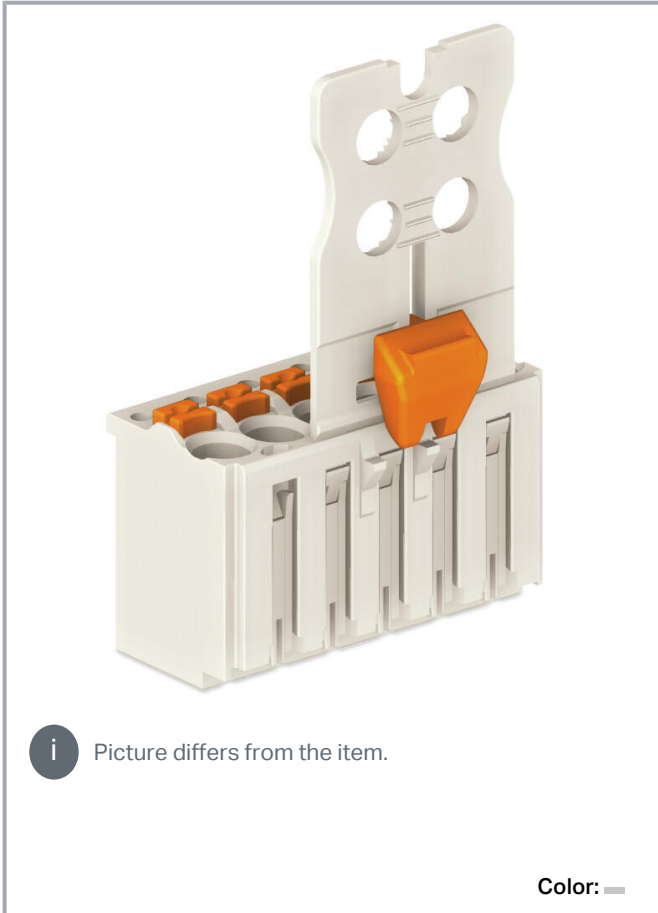


**Data sheet | Item number: 2091-1108/002-000**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; Gripping plate sliding connector release; 1,50 mm<sup>2</sup>; light gray

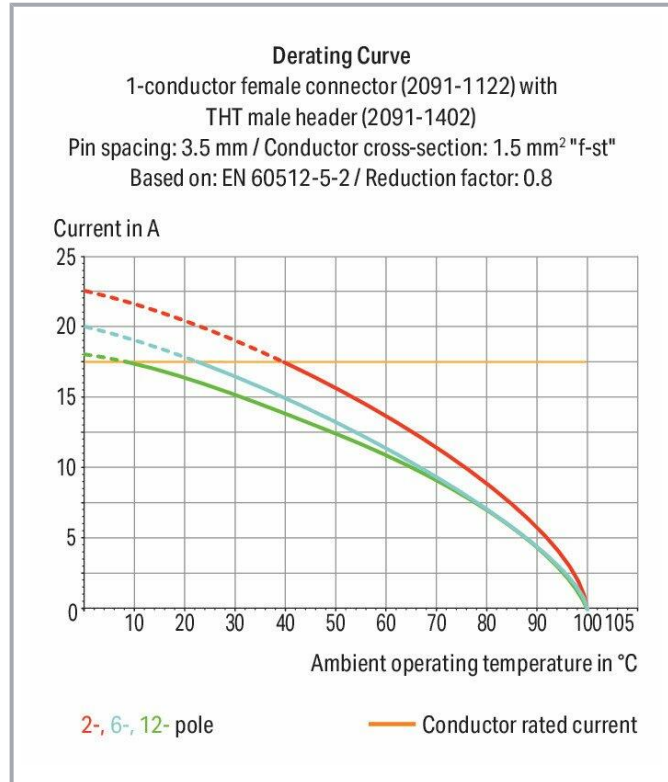


[www.wago.com/2091-1108\\_002-000](http://www.wago.com/2091-1108_002-000)



**i** Picture differs from the item.

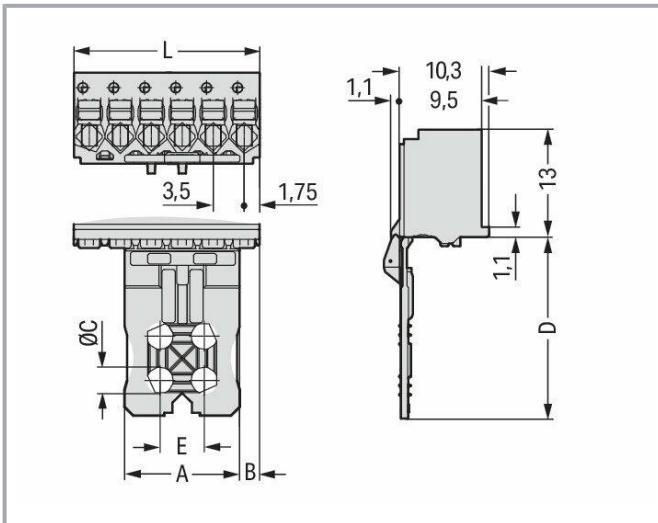
Color:



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

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### Item description

- Universal connection of all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require special tools
- Ability to wire while mated or unmated
- Testing parallel to conductor entry – tip contact
- Also available with gripping plates
- Integrated locking latches prevent accidental disconnection

### Data

#### Notes

Safety information 1

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.

### Electrical data

#### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V

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Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
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) $\hat{=}$ 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)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

### Connection data

Total number of connection points	8
Total number of potentials	8
Number of connection types	1
Number of levels	1

### Connection 1

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>
Conductor diameter	24 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Pole No.	8

### Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	28 mm / 1.102 inch
Height	34 mm / 1.339 inch

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



Depth	12.4 mm / 0.488 inch
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**Mechanical data**

Design	With gripping plate and sliding connector release
--------	---

**Plug-in connection**

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No
Locking of plug-in connection	Without

**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	0.02 MJ
Weight	3.9 g

**Environmental requirements**

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

**Commercial data**

PU (SPU)	50 Stück
Packaging type	box
Country of origin	DE
GTIN	4050821411673
Customs tariff number	85366990990




**Approvals / Certificates****Country specific Approvals**

Logo	Approval	Additional Approval Text	Certificate name
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	CB DEKRA Certification B.V.	IEC 61984	NL-49736 /A1
	CSA DEKRA Certification B.V.	C22.2	2362521
	CSA DEKRA Certification B.V.	C22.2 No. 158	2362521
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71- 102260 REV.1


UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1977	20190909- E45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172- 20100415

Counterpart

	Item no.2091-1428 THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 8-pole; light gray	<a href="http://www.wago.com/2091-1428">www.wago.com/2091-1428</a>
	Item no.2091-1408 THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 8-pole; light gray	<a href="http://www.wago.com/2091-1408">www.wago.com/2091-1408</a>

Optional accessories

Coding		
Coding		
	Item no.: 2091-1610 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>

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

## Testing and measuring

### Testing accessories



Item no.: 735-500

Test pin; 1 mm Ø; with solder connection for test wire

[www.wago.com/735-500](http://www.wago.com/735-500)

### Tool

#### Operating tool



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

## Downloads

### Documentation

#### Additional Information

Technical explanations

2019 Apr 3

pdf  
2.0 MB

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## CAD/CAE-Data

### CAD data

2D/3D Models 2091-1108/002-000

[URL](#)

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### CAE data

ZUKEN Portal 2091-1108/002-000

[URL](#)

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2091-1108/002-000

[URL](#)

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1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; Gripping plate sliding connector release; 1,50 mm<sup>2</sup>; light gray

## Installation Notes

### Locking system

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

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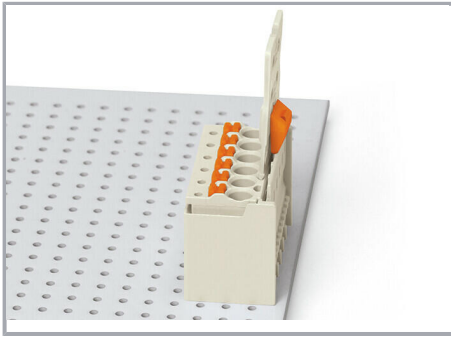
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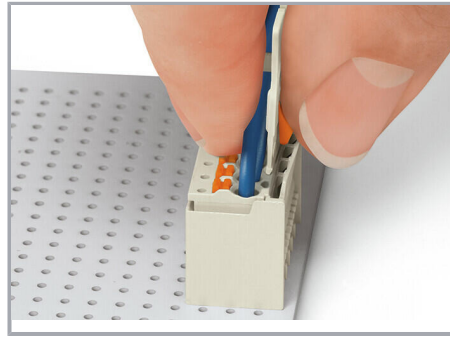
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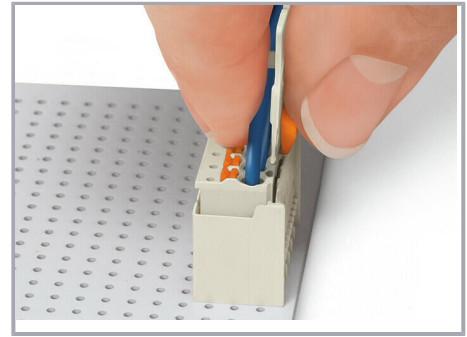
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Male header mated to a female connector with gripping plate and sliding connector release.

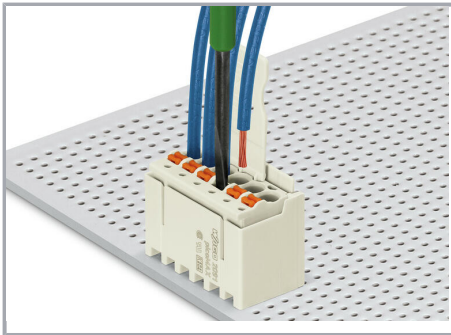


Push down sliding connector release (gripping plate) to open the locking latch.

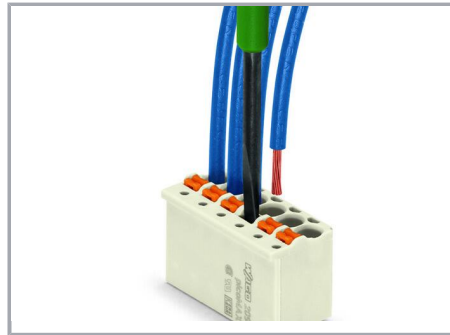


Pull out female connector from male header.

### Conductor termination



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



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



Inserting solid and ferruled conductors via push-in termination.

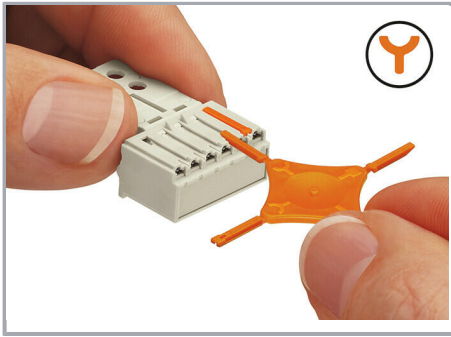
### Marking



Pole marking via factory direct marking.

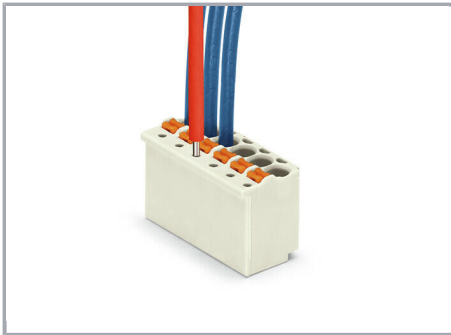
### Coding

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



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

#### Testing



Testing via 1 mm Ø test pin – touch contact.

#### Product family

[\*<i>picoMAX</i><sup>®</sup>\*](#) 3.5

[Show all products from the family](#)

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