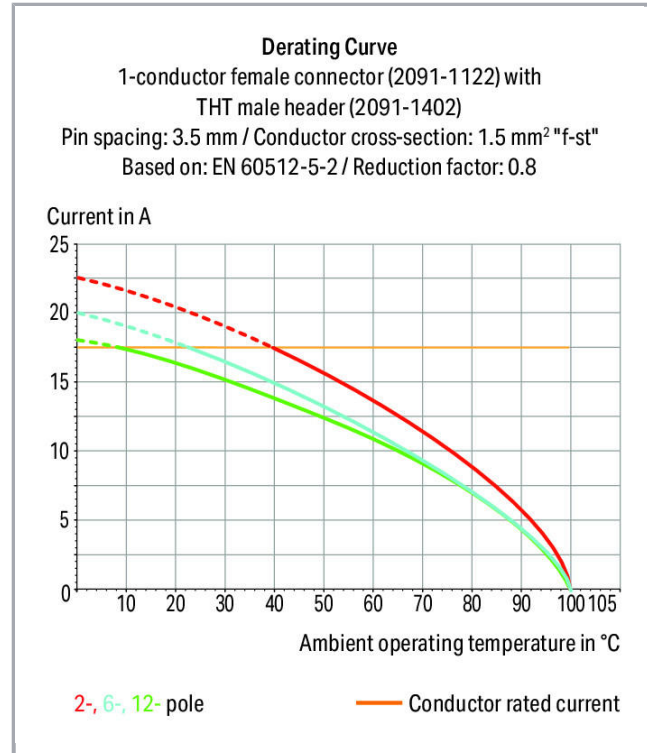


**Data sheet | Item number: 2091-1112/002-000**

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



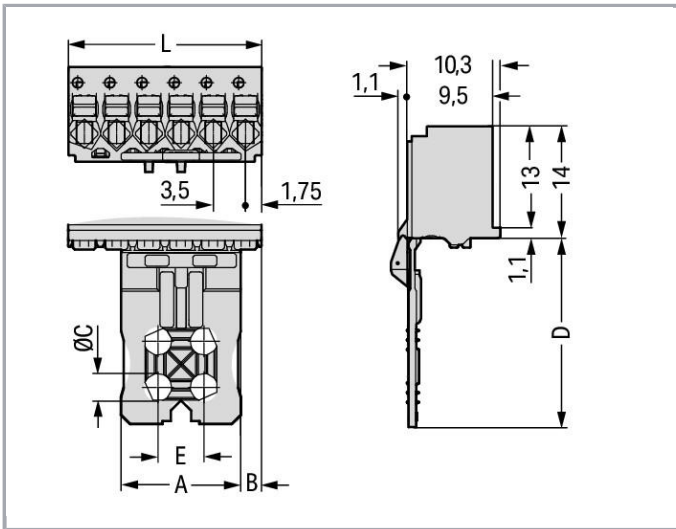
[www.wago.com/2091-1112/002-000](http://www.wago.com/2091-1112/002-000)



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

### 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.

### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	160 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV

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Rated voltage (II / 2)	320 V
Rated impulse 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 ferrule with plastic collar	0.25 ... 0.75 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 1.5 mm <sup>2</sup>
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
No. of poles	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	39 mm / 1.535 inch
Depth	12.4 mm / 0.488 inch

### Mechanical data

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

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

## 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
Insulating 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	0.154 MJ
Weight	6.2 g

## Environmental Requirements


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

## Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821411697
Customs Tariff No.	85366990990

## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49736 /A1
	CSA DEKRA Certification B.V.	C22.2	2362521
	KEMA/KEUR	EN 61984	71-


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



DEKRA Certification B.V.

102260  
REV.1

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1977	20190909- E45171

## Counterpart



Item no.2091-1432

THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 12-pole; light gray

[www.wago.com/2091-1432](http://www.wago.com/2091-1432)

Item no.2091-1412

THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 12-pole; light gray

[www.wago.com/2091-1412](http://www.wago.com/2091-1412)

## Compatible products

### Coding

Item no.: 2091-1610

Coding key carrier; suitable for 3.5 mm pin spacing; orange

[www.wago.com/2091-1610](http://www.wago.com/2091-1610)

### tools



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)

### Test 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)

## Downloads

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

pdf

Download

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## CAD/CAE-Data

### CAD data

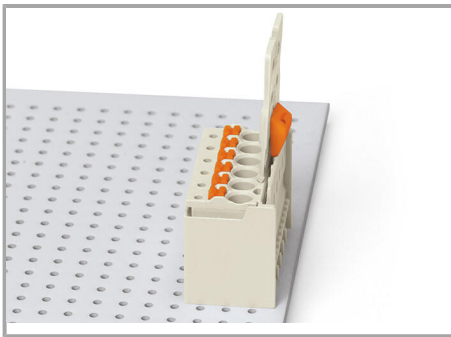
2D/3D Models 2091-1112/002-000

[URL](#)

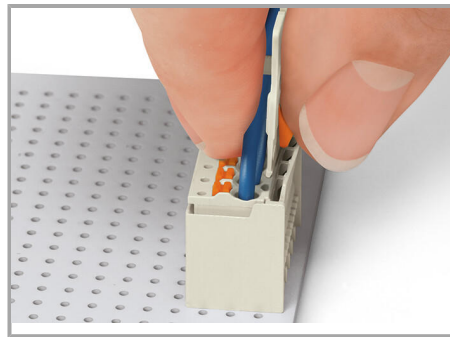
[Download](#)

## Installation Notes

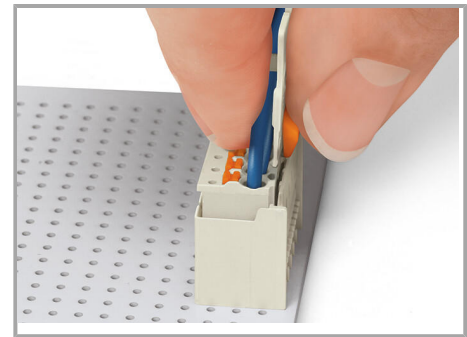
### Locking



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

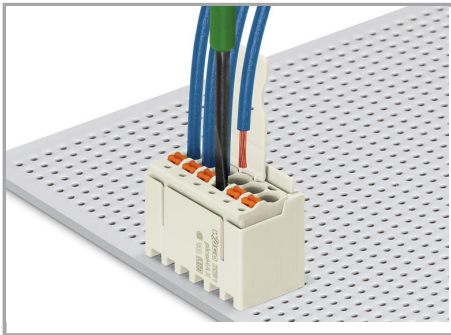


Push down sliding connector release (gripping plate) to open the locking latch.

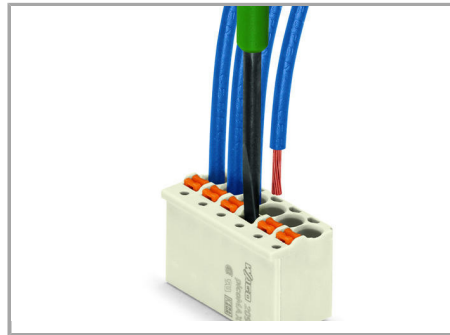


Pull out female connector with gripping plate from male header.

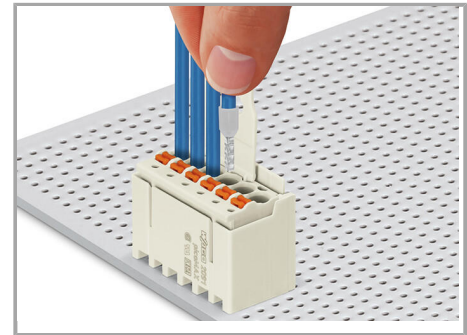
### Inserting a conductor



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

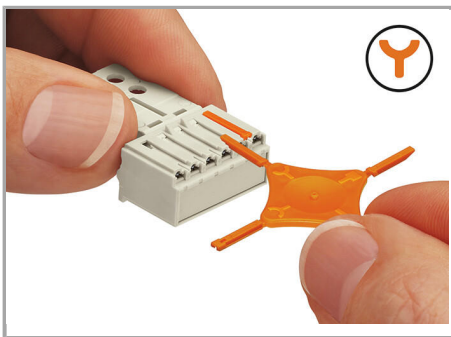
### Marking

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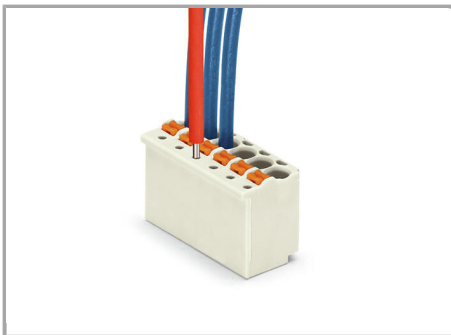
Pole marking via factory direct printing.

### 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.

### Product family

picoMAX

[Show all products from the family](#)

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