

## Data sheet | Item number: 2092-3103/002-000

1-conductor female plug; Gripping plate sliding connector release; 2.5 mm<sup>2</sup>;  
Pin spacing 7.5 mm; 3-pole; 2,50 mm<sup>2</sup>; light gray

[www.wago.com/2092-3103\\_002-000](http://www.wago.com/2092-3103_002-000)



RoHS   
Compliant

BOMcheck.net

Color:

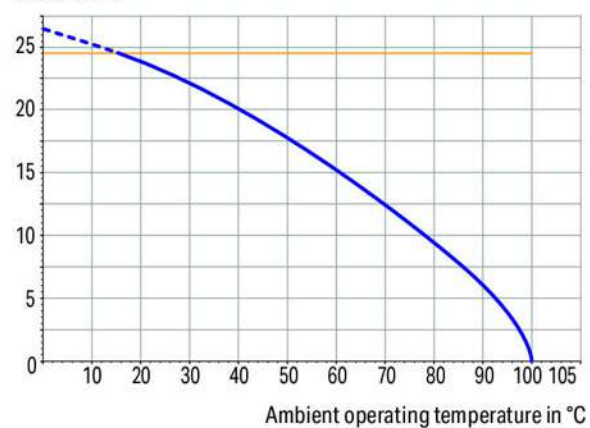
### Derating Curve

1-conductor female connector (2092-3124) with  
THT male header (2092-3404)

Pin spacing: 7.5 mm / Conductor cross-section: 2.5 mm<sup>2</sup> "f-st"

Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



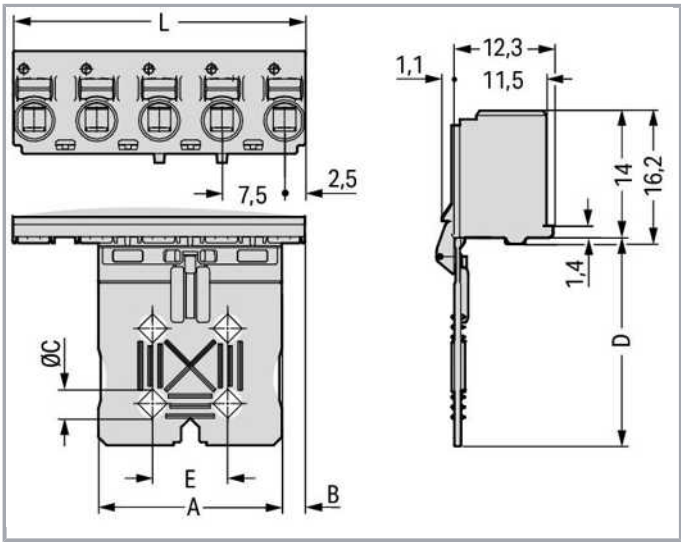
4-pole

Conductor rated current

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)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV

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Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	16 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)	15 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®
Actuation type	Push-button
Solid conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 ... 1.5 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 2.5 mm <sup>2</sup>
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

### Geometrical Data

Pin spacing	7.5 mm / 0.295 inch
Width	20 mm / 0.787 inch
Height	34 mm / 1.339 inch
Depth	14.4 mm / 0.567 inch

### Mechanical data

Design	With gripping plate and sliding connector release
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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	0.098 MJ
Weight	3.9 g

## Environmental Requirements


Limit temperature range	-60 ... +100 °C
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## Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821411918
Customs Tariff No.	85366990990

## Approvals / Certificates


### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	2362521

### UL-Approvals

Certificate

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

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

## Counterpart



Item no. 2092-3423

THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 7.5 mm; 3-pole; light gray

[www.wago.com/2092-3423](http://www.wago.com/2092-3423)

Item no. 2092-3403

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 3-pole; light gray

[www.wago.com/2092-3403](http://www.wago.com/2092-3403)

## Compatible products

### 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)

### check



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  
3.6 MB

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## CAD/CAE-Data

### CAD data

2D/3D Models 2092-3103/002-000

URL

Download

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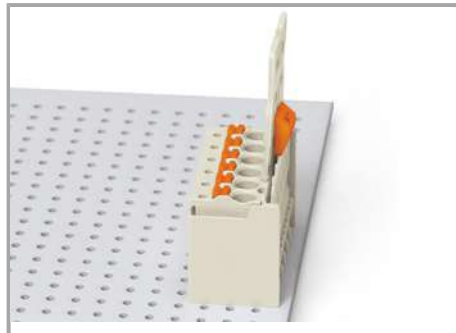
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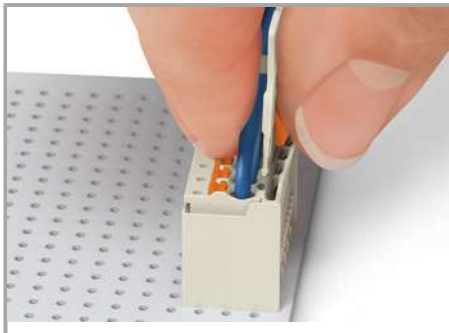
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## Installation Notes

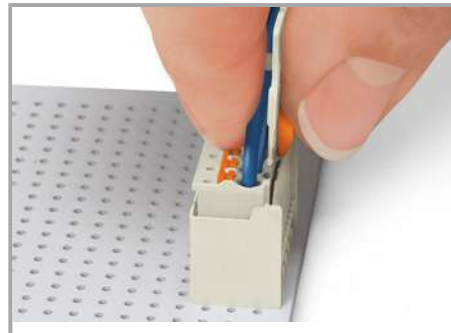
### Locking



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

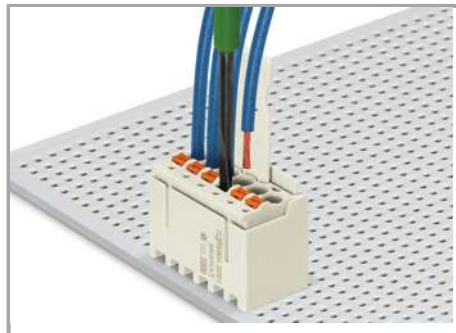


Push down sliding connector release (gripping plate) to open the locking latch.



Pull out female connector with gripping plate from male header.

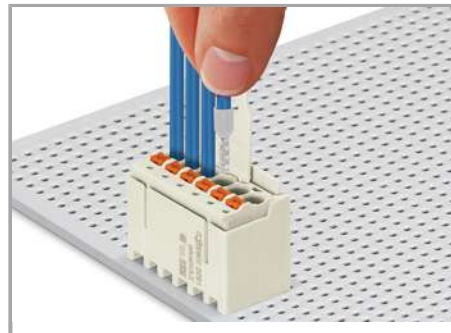
### Inserting a conductor



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

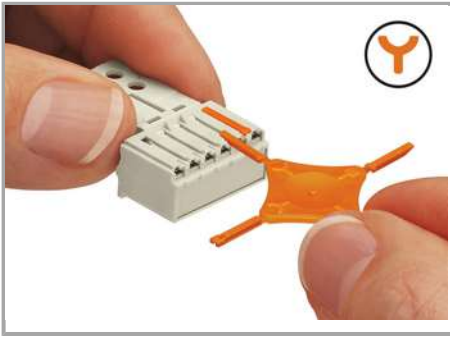
### Marking



Pole marking via factory direct printing.

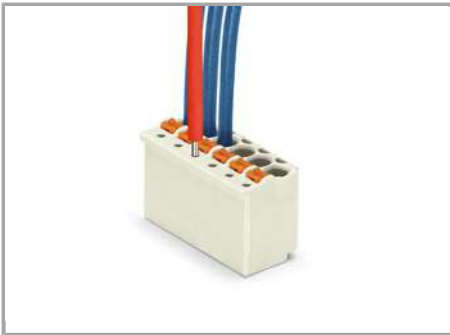
### Coding

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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](#)

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