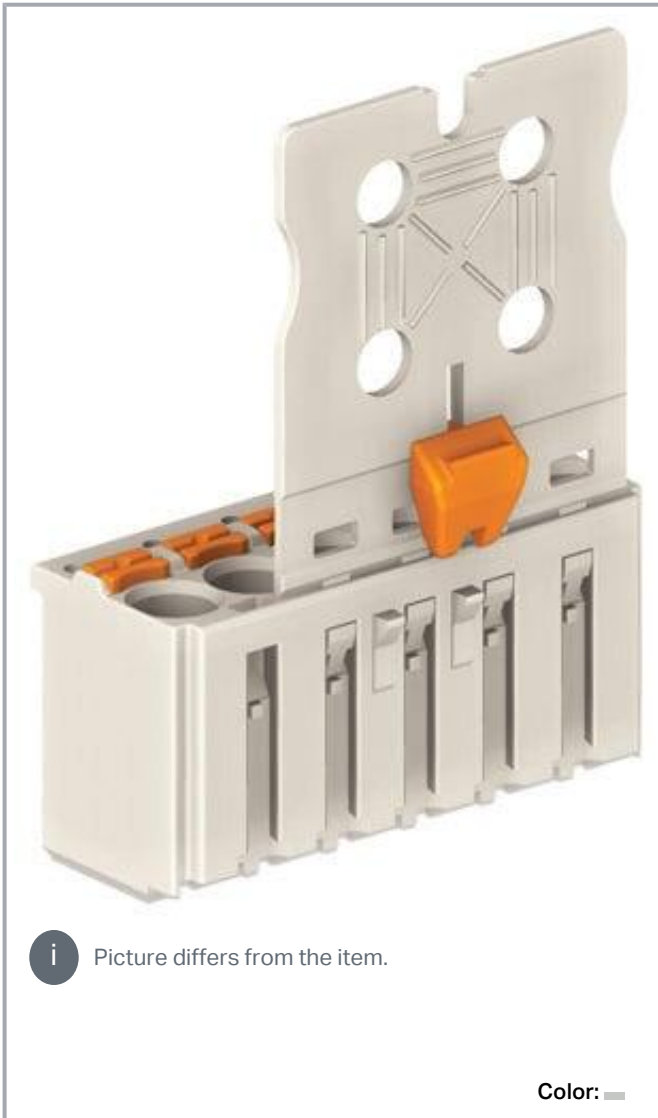


**Data sheet | Item number: 2092-1103/002-000**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 3-pole; Gripping plate sliding connector release; 2,50 mm<sup>2</sup>; light gray

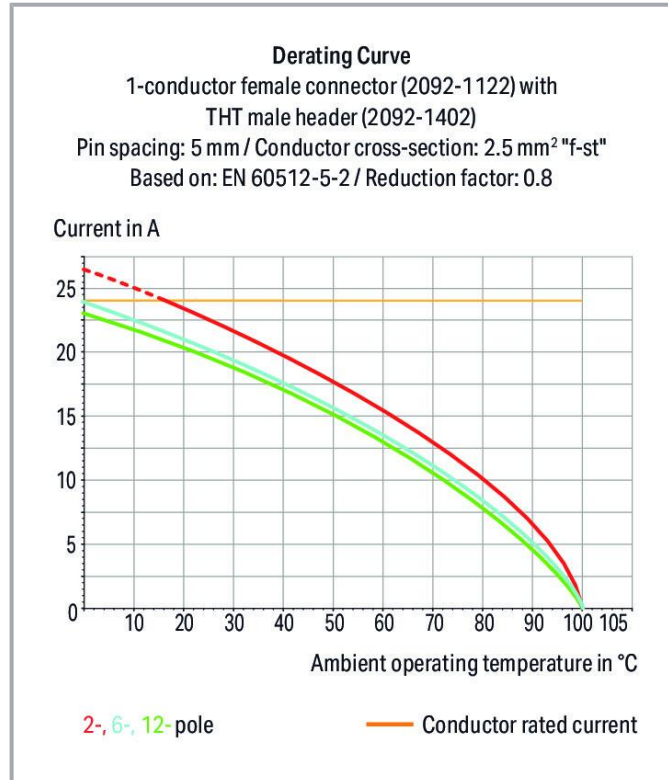


[www.wago.com/2092-1103/002-000](http://www.wago.com/2092-1103/002-000)



**i** Picture differs from the item.

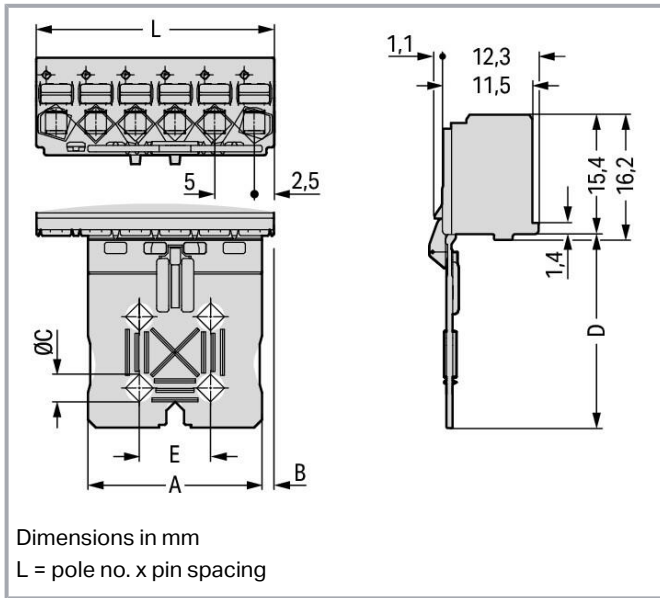
Color:



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

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Gripping plate Dimensions (in mm):					
Pole No.	A	B	C	D	E
2	7	1.5	-	20	-
3	12	1.5	-	20	-
4	12	1.5	-	20	-
5	22	1.5	3.5	25	9
6	22	1.5	3.5	25	9
7	22	6.5	3.5	25	9
8	22	6.5	3.5	25	9
9	42	1.5	5.0	35	19
10	42	1.5	5.0	35	19
12	42	6.5	5.0	35	19

## 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

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.

#### Variants:

Direct marking

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

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



## 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) $\hat{=}$ 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)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

## Connection data

Connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

## Connection 1

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
Actuation type	Push-button
Actuation direction 1	Operation parallel to conductor entry
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 insulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup>
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Pole number	3

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



## Physical data

Pin spacing	5 mm / 0.197 inches
Width	15 mm / 0.591 inches
Height	35.4 mm / 1.394 inches
Depth	14.4 mm / 0.567 inches

## Mechanical Data

Variable coding	Yes
Design	With gripping plate and sliding connector release
Anti-rotation protection	Yes

## Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismatching protection	No
Plugging without loss of pin spacing	Yes
Locking of plug-in connection	none

## Material data

Note (material data)	Information on material specifications can be found here
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
Fire load	0.071 MJ
Weight	3.1 g

## Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

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## Commercial data

eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
ECCN	NO DATA
PU (SPU)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821411710
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-49737 /A1
	<b>CSA</b> DEKRA Certification B.V.	C22.2 No. 158	2362521
	<b>CSA</b> DEKRA Certification B.V.	C22.2	2362521
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E45172
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 61984	71- 102261 REV.2
	<b>UL</b> Underwriters Laboratories Inc.	UL 1977	E45171

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



## Counterpart



Item no.2092-1423

THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/2092-1423](http://www.wago.com/2092-1423)



Item no.2092-1403

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/2092-1403](http://www.wago.com/2092-1403)

## Optional accessories

### 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)

## Testing and measuring

Testing accessories



Item no.: 735-500

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm<sup>2</sup>

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

## Downloads

### Documentation

#### Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.1 MB	

## CAD/CAE-Data

### CAD data

2D/3D Models 2092-1103/002-000	URL	Download
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### CAE data

71 IKEN Portal 2092-1103/002-000

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ZONEN FÜR 2092-1103/002-000

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## Asset Administration Shell

Asset Administration Shell 2092-1103/002-000

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## Environmental Product Compliance

### Compliance Search

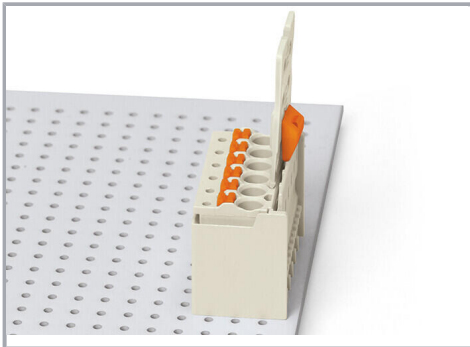
Environmental Product Compliance 2092-1103/002-000

[URL](#) [Download](#)

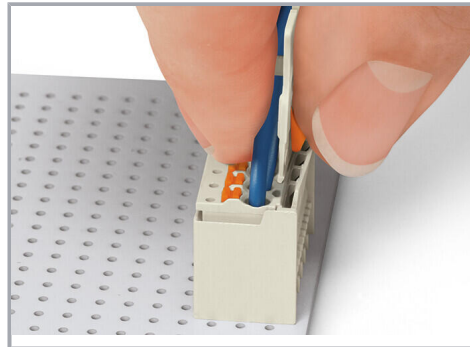
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 3-pole; Gripping plate sliding connector release; 2,50 mm<sup>2</sup>; light gray

## Installation Notes

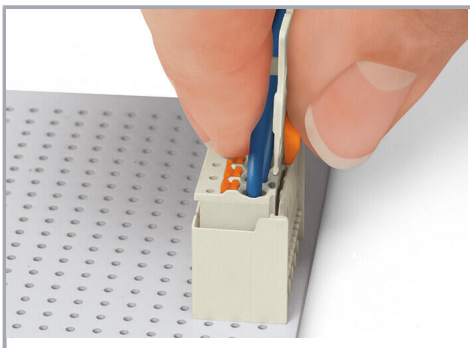
### Locking system



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



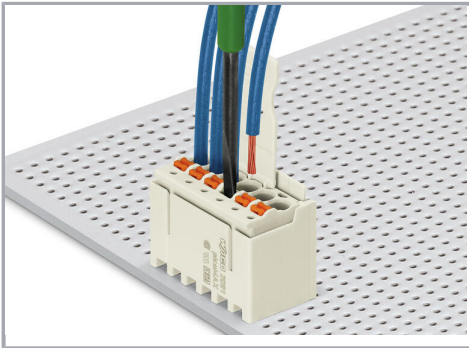
Push down sliding connector release (gripping plate) to open the locking latch.



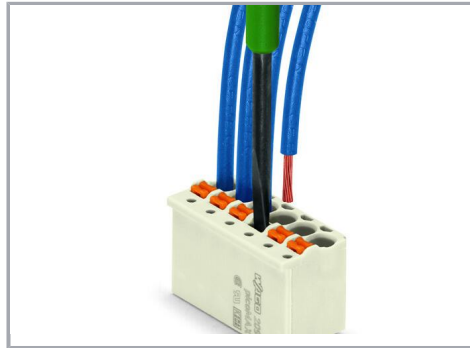
Pull out female connector from male header.

### Conductor termination

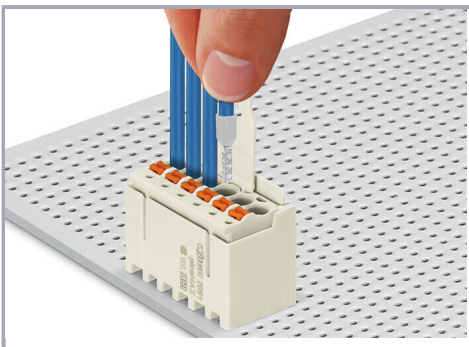
Subject to changes. Please also observe the further product documentation!



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

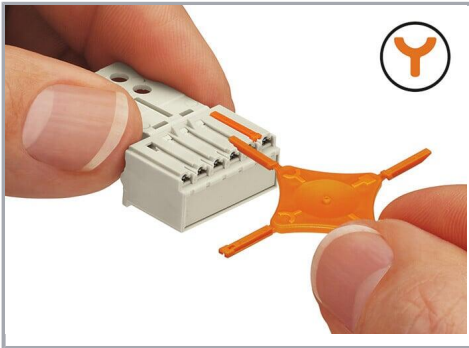


Pole marking via factory direct marking.

### Coding

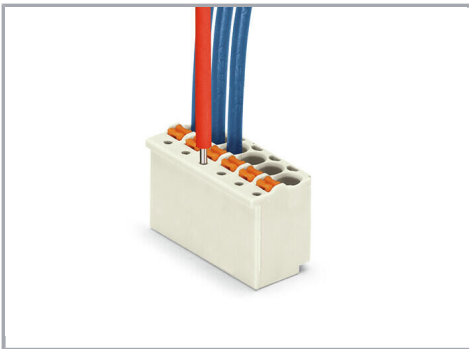
Subject to changes. Please also observe the further product documentation!





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.

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