

Data sheet | Item number: 2092-1103

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Gripping plate; 2,50 mm²; light gray

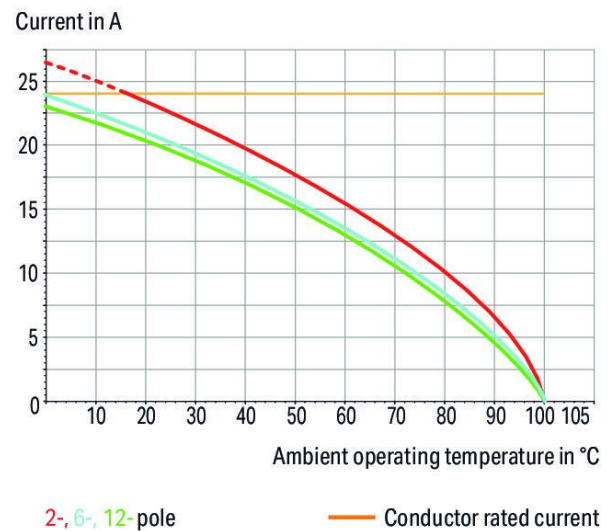
www.wago.com/2092-1103



 Picture differs from the item.

Color: 

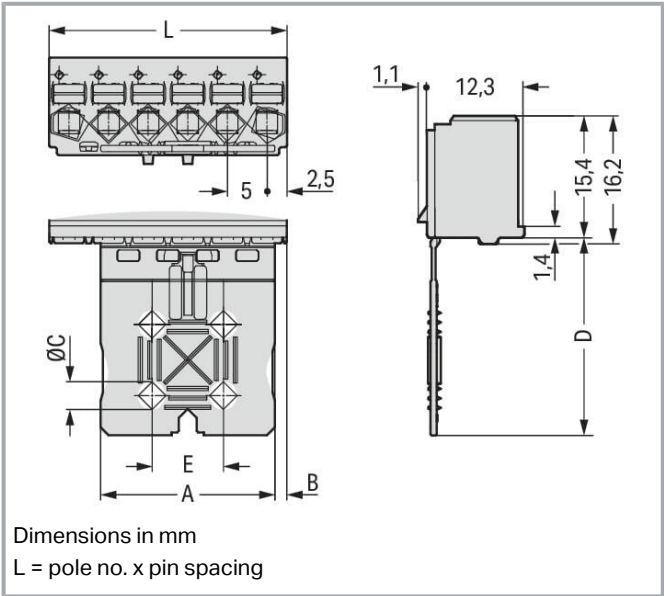
Derating Curve
1-conductor female connector (2092-1122) with
THT male header (2092-1402)
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



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 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

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

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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) ≙ 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®
Actuation type	Push-button
Actuation direction 1	Operation parallel to conductor entry
Solid conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²
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	13.4 mm / 0.528 inches

Mechanical Data

Variable coding	Yes
Design	With gripping plate
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 _{Cu})
Contact plating	Tin
Fire load	0.066 MJ
Weight	3 g

Environmental requirements

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

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Commercial data

Product Group	26 (picoMAX Connectors)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821163404
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

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

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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
	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
	Item no.2092-1523/002-000 1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Integrated release lever; 2,50 mm²; light gray	www.wago.com/2092-1523/002-000

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

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 0,5mm²	www.wago.com/735-500

Downloads

Documentation

Additional Information

	2019 Apr 3	pdf 2.1 MB	Download
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CAD/CAE-Data

CAD data

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

ZUKEN Portal 2092-1103	URL	Download
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Asset Administration Shell

Asset Administration Shell 2092-1103	URL	Download
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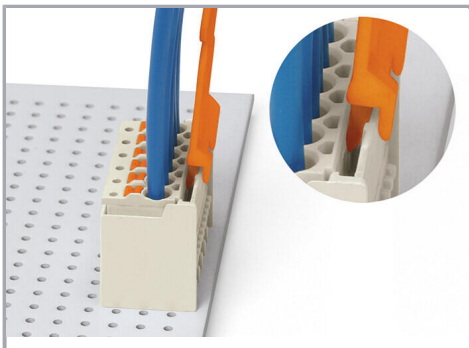
Environmental Product Compliance

Compliance Search

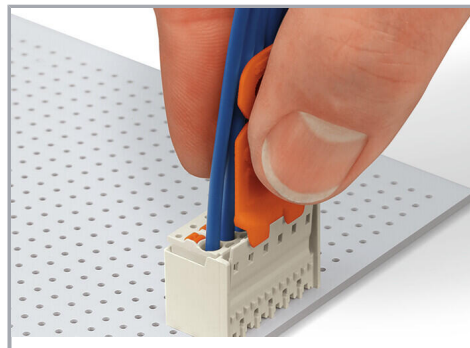
Environmental Product Compliance 2092-1103	URL	Download
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Gripping plate; 2,50 mm²; light gray		

Installation Notes

Locking system



Disconnecting a female connector via unlocking tool. Plug unlocking tool into the male header's locking latch.

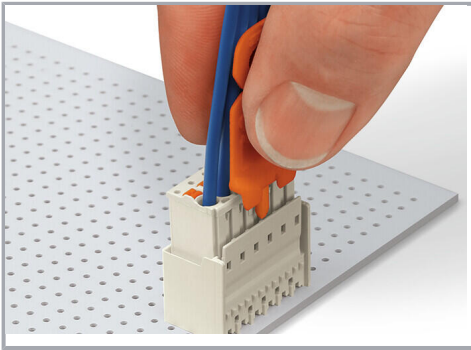


Insert unlocking tool until it hits the backstop. Wedge opens locking latches.

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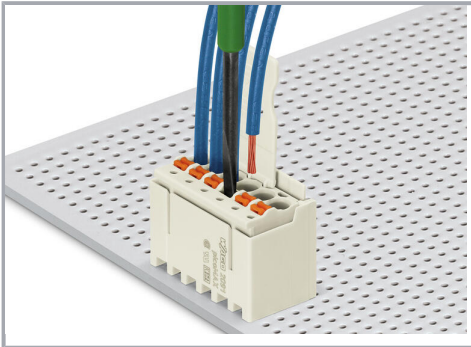
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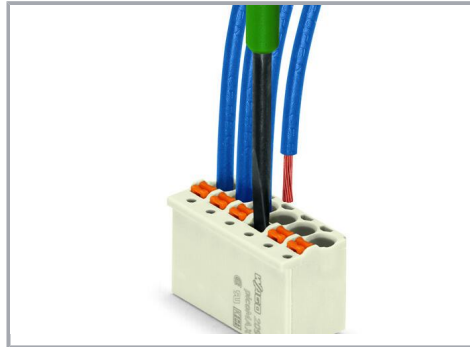


Pull on both unlocking tool and conductors to remove female connector from male header.

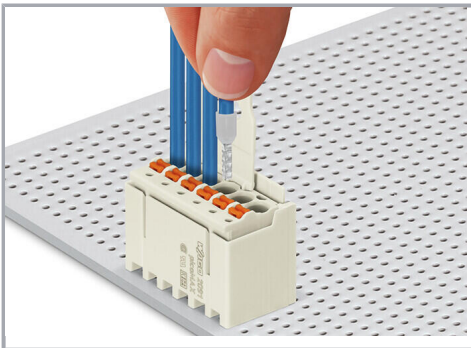
Conductor termination



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



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



Inserting solid and ferruled conductors via push-in termination.

Marking

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

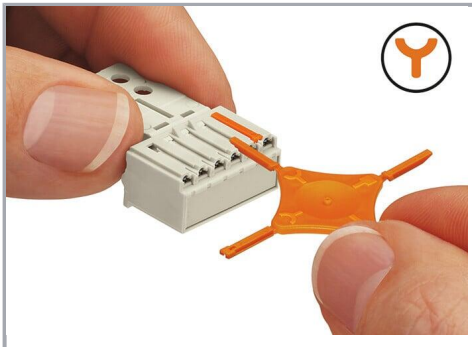
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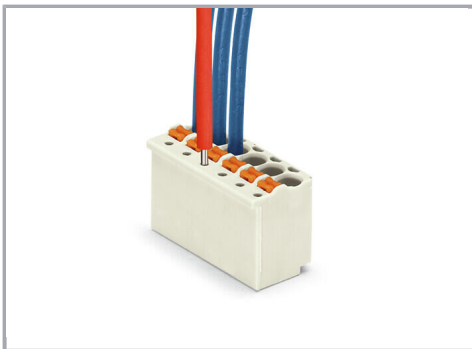
Pole marking via factory direct marking.

Coding



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.

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