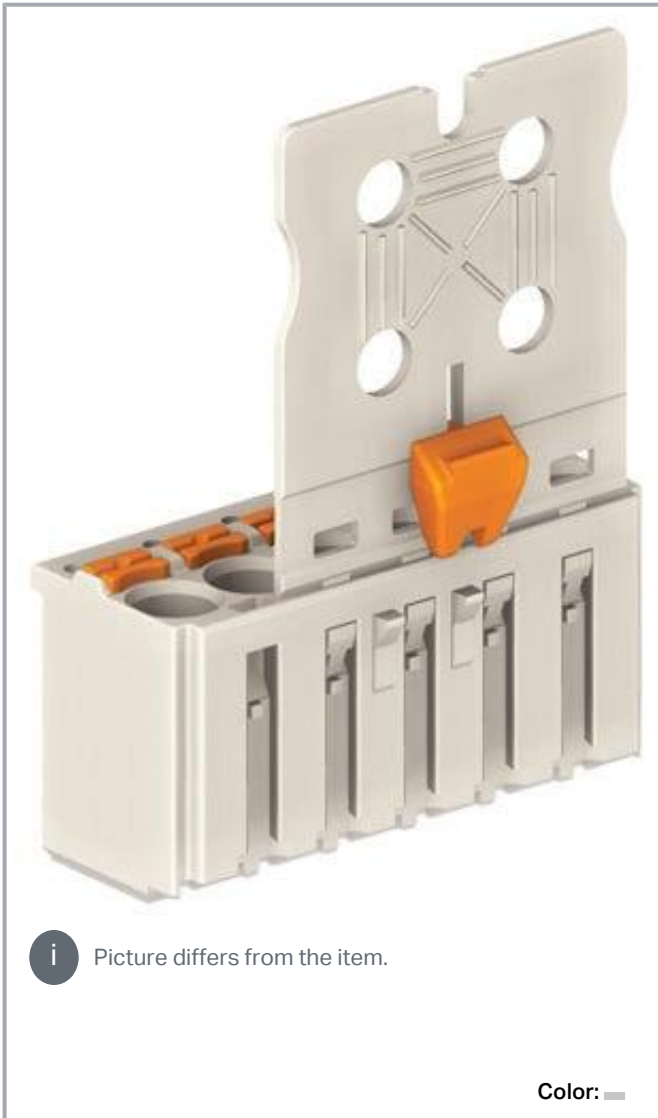


Data sheet | Item number: 2092-1109/002-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 9-pole; Gripping plate sliding connector release; 2,50 mm²; light gray

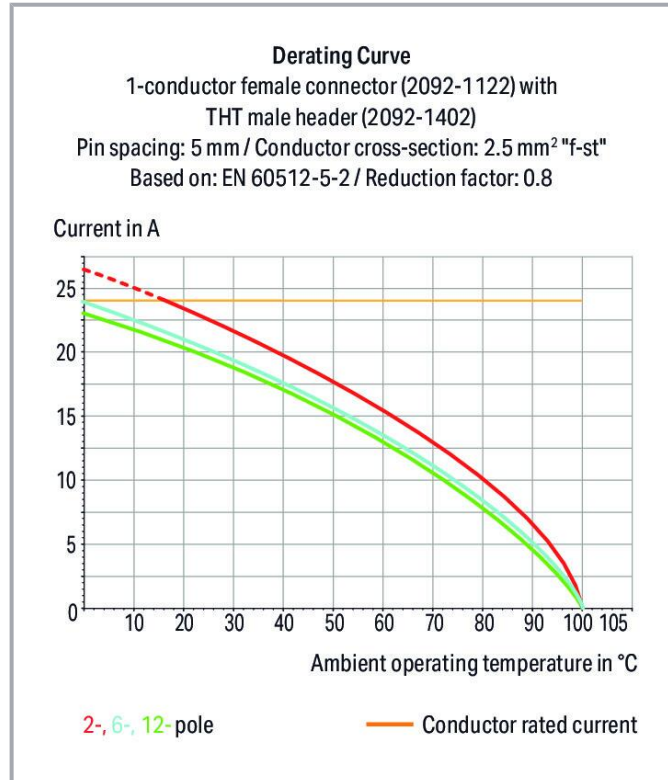


www.wago.com/2092-1109/002-000



i Picture differs from the item.

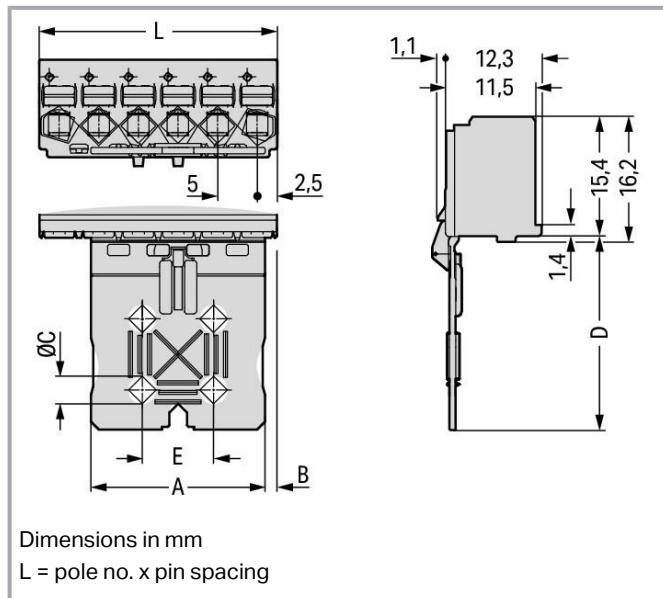
Color:



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!

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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) $\hat{=}$ 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	9
Total number of potentials	9
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 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Pole number	9

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



Physical data

Pin spacing	5 mm / 0.197 inches
Width	45 mm / 1.772 inches
Height	40.4 mm / 1.591 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 _{Cu})
Contact plating	Tin
Fire load	0.068 MJ
Weight	9.8 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
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821850823
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
	cURus Underwriters Laboratories Inc.	UL 1059	E45172
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-102261 REV.2
	UL	UL 1977	E45171

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



Underwriters Laboratories Inc.

Counterpart



Item no.2092-1429

THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 9-pole; light gray

www.wago.com/2092-1429



Item no.2092-1409

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 9-pole; light gray

www.wago.com/2092-1409

Optional accessories

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

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

Downloads

Documentation

Additional Information

Technical Section	2019 Apr 3	pdf 2.1 MB	Download
Technical explanations			

CAD/CAE-Data

CAD data

2D/3D Models 2092-1109/002-000	URL	Download
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CAE data

71 IKEN Portal 2092-1109/002-000

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ZONEN FÜR 2092-1109/002-000

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Asset Administration Shell

Asset Administration Shell 2092-1109/002-000

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Environmental Product Compliance

Compliance Search

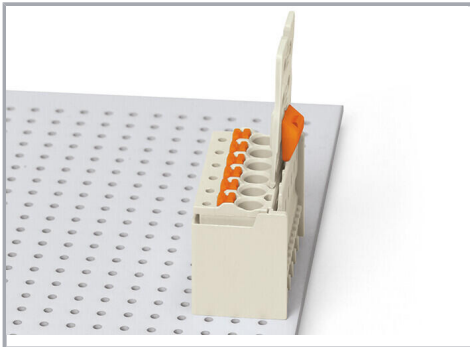
Environmental Product Compliance 2092-1109/002-000

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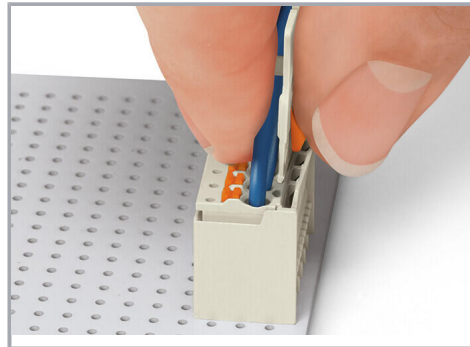
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 9-pole; Gripping plate sliding connector release; 2,50 mm²; light gray

Installation Notes

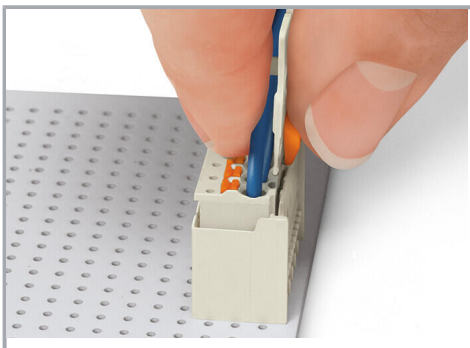
Locking system



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!

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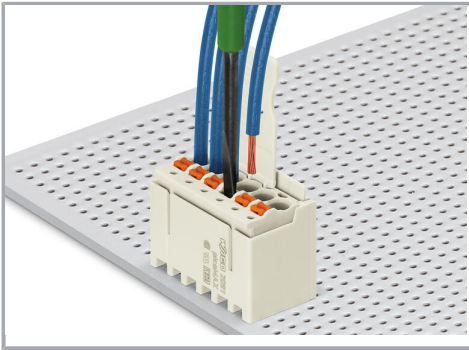
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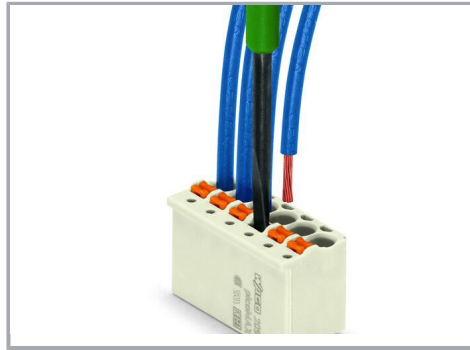
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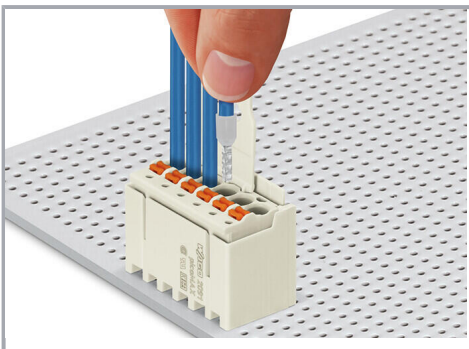
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Inserting fine-stranded conductor into mated female connector via push-button.



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



Inserting solid and ferruled conductors via push-in termination.

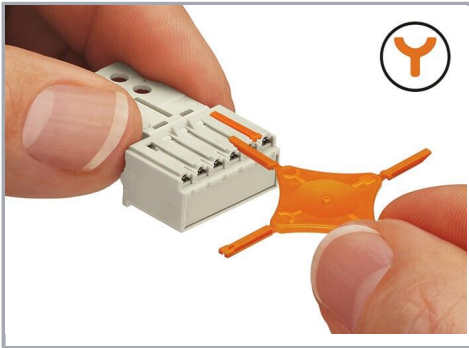
Marking



Pole marking via factory direct marking.

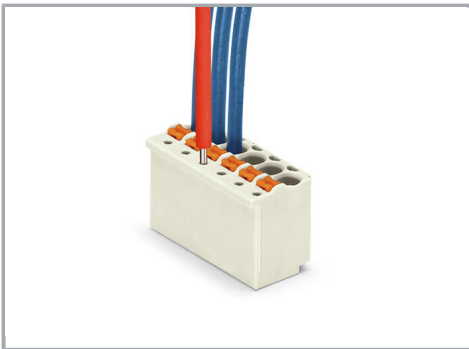
Coding

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!