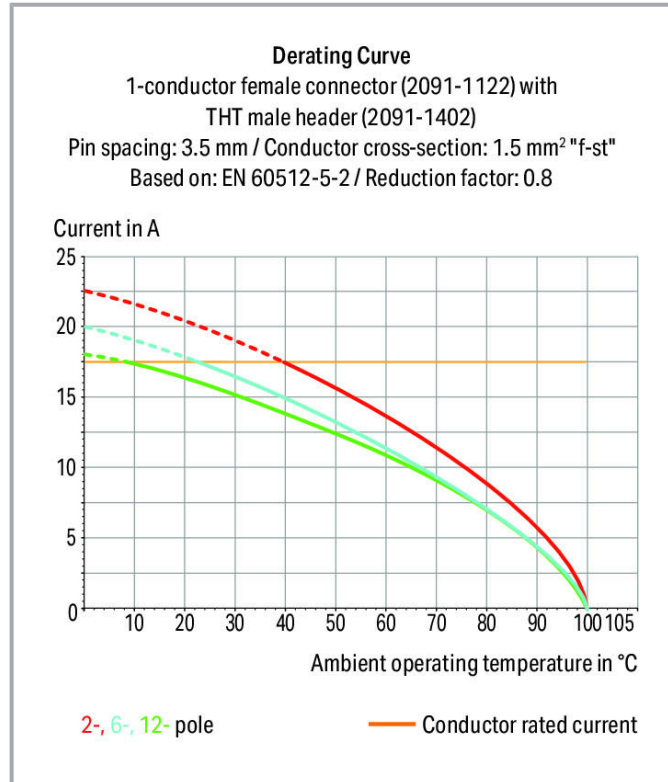


Data sheet | Item number: 2091-1102/000-1000

1-conductor female connector; push-button; Gripping plate; direct marking;
1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray



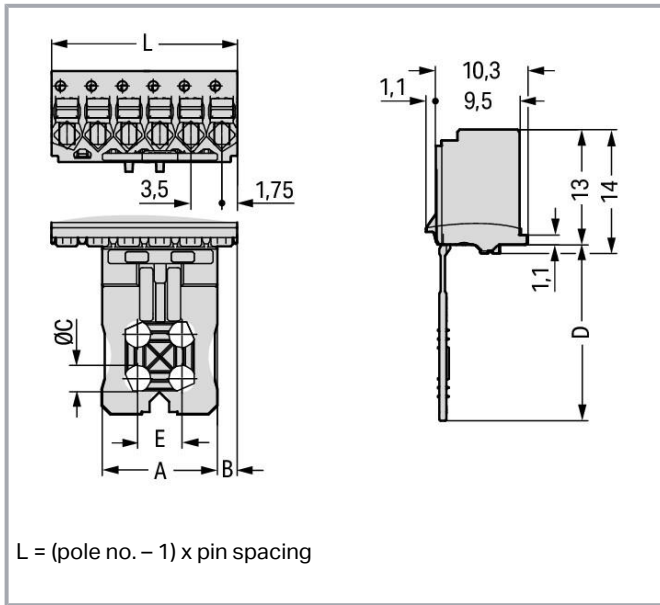
www.wago.com/2091-1102_000-1000



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

WAGO Kontakttechnik GmbH & Co. KG
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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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** 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.

Data

Electrical data

Ratings per IEC/EN

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

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Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 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)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.2 ... 1.5 mm ² / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 1.5 mm ² / 24 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm ²
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Pole No.	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	7 mm / 0.276 inch
Height	31 mm / 1.22 inch
Depth	11.4 mm / 0.449 inch

Mechanical data

Design	With gripping plate
--------	---------------------

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

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No

Material data

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-plated
Fire load	0.023 MJ
Weight	0.9 g

Environmental requirements


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

Packaging type	BOX
Country of origin	DE
GTIN	4050821327585
Customs tariff number	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 DEKRA Certification B.V.	EN 61984	71-102260

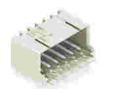


Subject to changes. Please also observe the further product documentation!



UL-Approvals


Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172- 20100415

Counterpart

	Item no.2091-1422 THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 2-pole; light gray	www.wago.com/2091-1422
	Item no.2091-1402 THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 2-pole; light gray	www.wago.com/2091-1402
	Item no.2091-1522/002-000 1-conductor male connector; Integrated release lever; 1.5 mm ² ; Pin spacing 3.5 mm; 2-pole; 1,50 mm ² ; light gray	www.wago.com/2091-1522/002-000

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
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check

	Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire	www.wago.com/735-500
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Coding

	Item no.: 2091-1610 Coding key carrier; suitable for 3.5 mm pin spacing; orange	www.wago.com/2091-1610
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Downloads

Documentation

Additional Information

Technical explanations	2019 Apr 3	pdf	Download
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Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2091-1102/000-1000

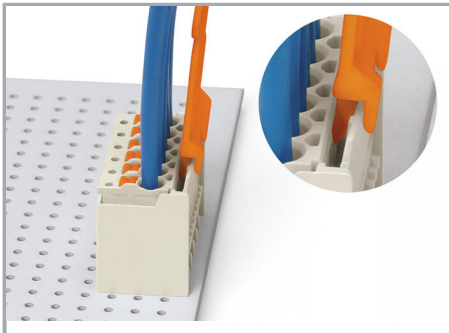
[URL](#)

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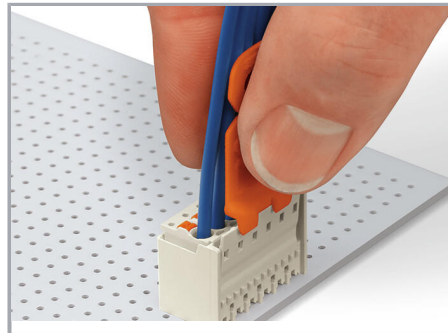
1-conductor female connector; push-button; Gripping plate; direct marking; 1.5 mm²;
Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray

Installation Notes

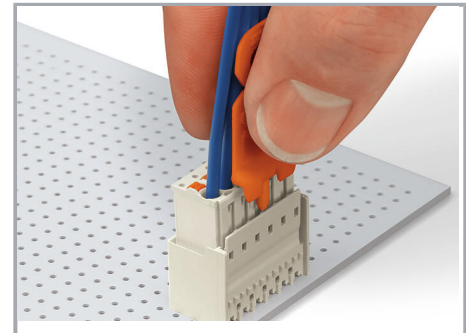
Locking system



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

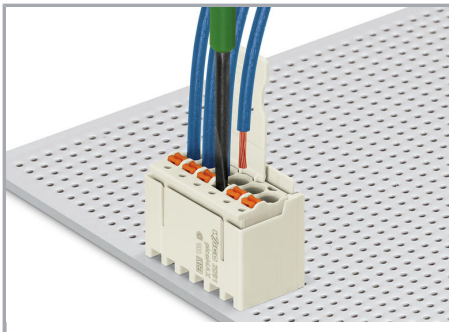


Insert unlocking tool until it hits the backstop. Wedge opens locking latches.

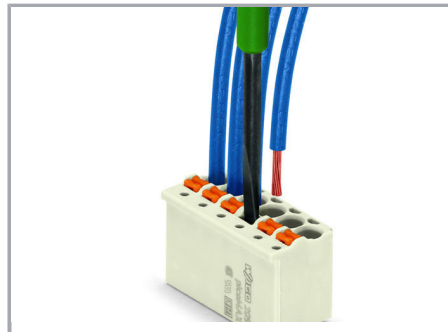


Pull on both unlocking tool and conductors to remove female connector from male header.

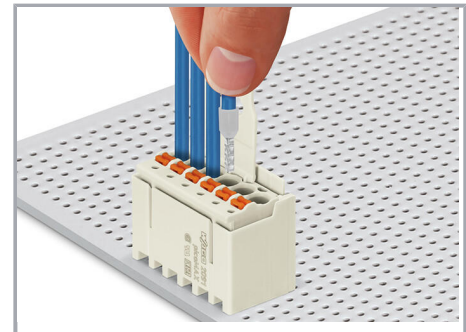
Conductor termination



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.

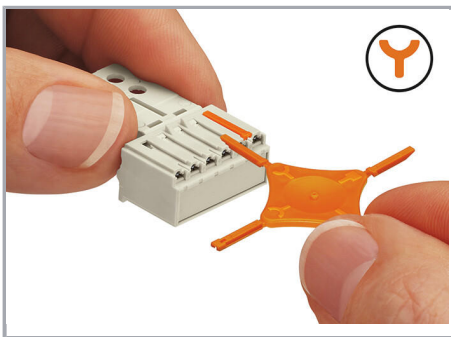
Marking

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



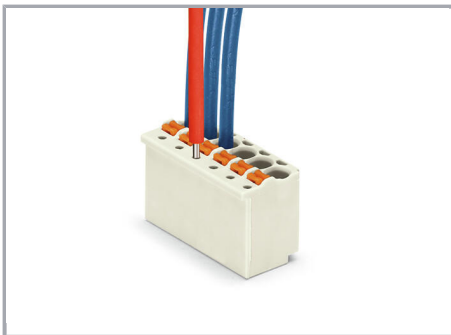
Pole marking via factory direct marking.

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.

Product family

[*<i>picoMAX</i>[®]*](#) 3.5
[Show all products from the family](#)

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