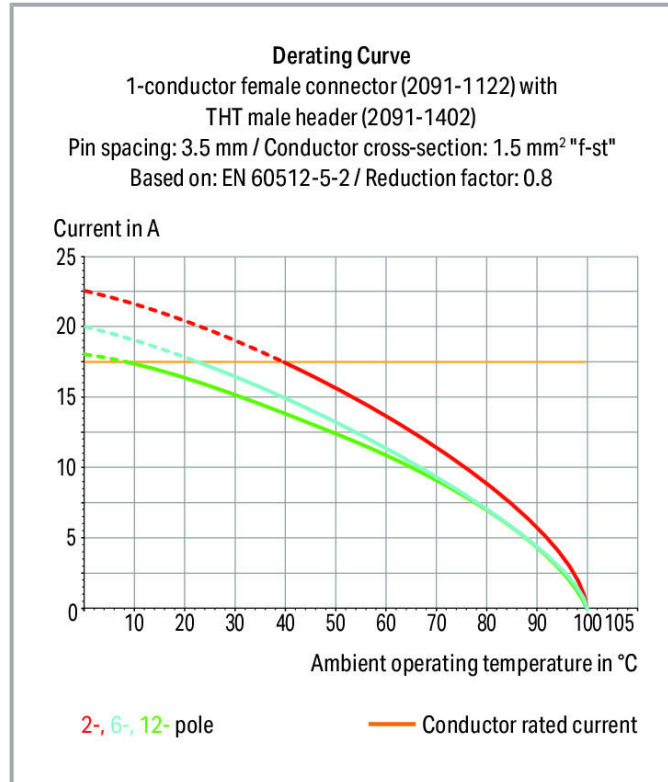


Data sheet | Item number: 2091-1106/002-000

1-conductor female plug; Gripping plate sliding connector release; 1.5 mm²;
Pin spacing 3.5 mm; 6-pole; 1,50 mm²; light gray



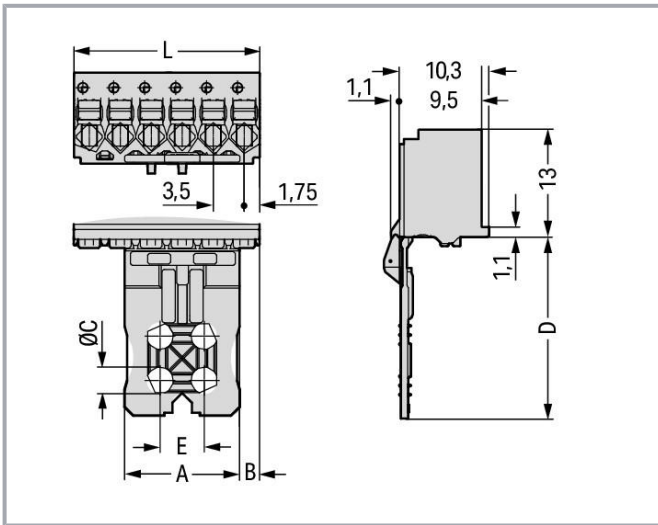
www.wago.com/2091-1106_002-000



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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2.5 kV

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Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) \triangleq 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

Ratings per CSA

Approvals per	CSA
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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.	6
Total number of connection points	6
Total number of potentials	6
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	21 mm / 0.827 inch
Height	34 mm / 1.339 inch
Depth	12.4 mm / 0.488 inch

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Mechanical data

Design	With gripping plate and sliding connector release
--------	---

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	0.071 MJ
Weight	2.9 g

Environmental requirements

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

Packaging type	BOX
Country of origin	DE
GTIN	4050821411666
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	C22.2	2362521

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DEKRA Certification B.V.





KEMA/KEUR
DEKRA Certification B.V.

EN 61984

71-
102260
REV.1

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1977	20190909- E45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172- 20100415

Counterpart



Item no.2091-1426
THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; light gray




www.wago.com/2091-1426



Item no.2091-1406
THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; light gray

www.wago.com/2091-1406

Compatible products

Coding		
	Item no.: 2091-1610 Coding key carrier; suitable for 3.5 mm pin spacing; orange	www.wago.com/2091-1610
tools		
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	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

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

Downloads

Documentation

Additional Information

Technical explanations	2019 Apr 3	pdf 2.0 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 2091-1106/002-000	URL	Download
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CAE data

ZUKEN Portal 2091-1106/002-000	URL	Download
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Environmental Product Compliance

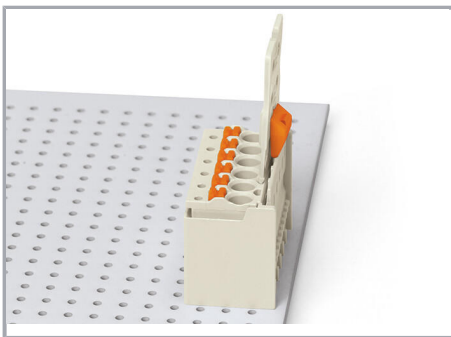
Compliance Search

Environmental Product Compliance 2091-1106/002-000	URL	Download
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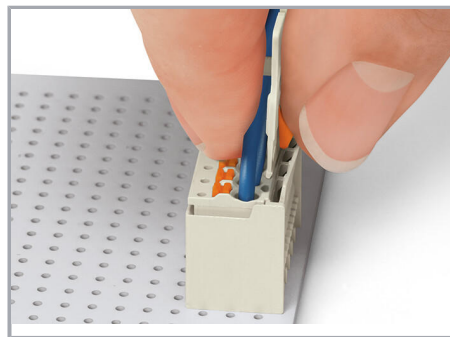
1-conductor female plug; Gripping plate sliding connector release; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 1,50 mm²; light gray

Installation Notes

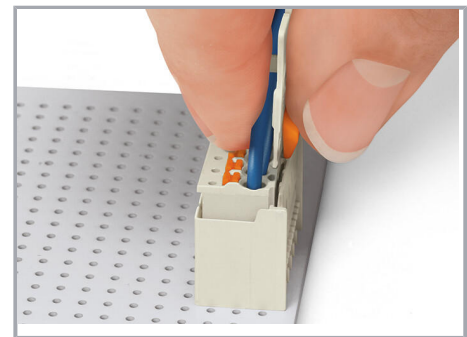
Locking system



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



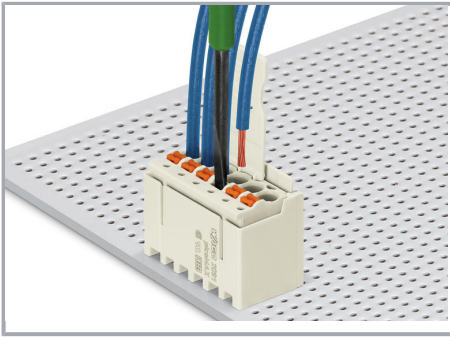
Push down sliding connector release (gripping plate) to open the locking latch.



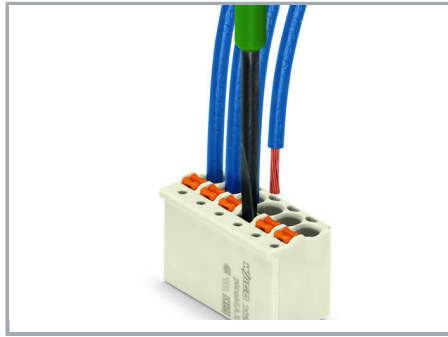
Pull out female connector from male header.

Conductor termination

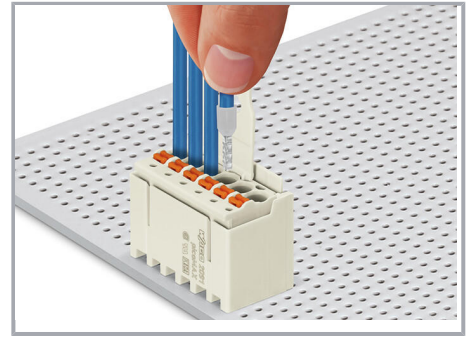
Subject to changes. Please also observe the further product documentation!



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



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



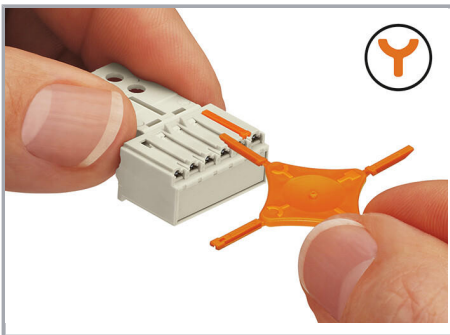
Inserting solid and ferruled conductors via push-in termination.

Marking



Pole marking via factory direct marking.

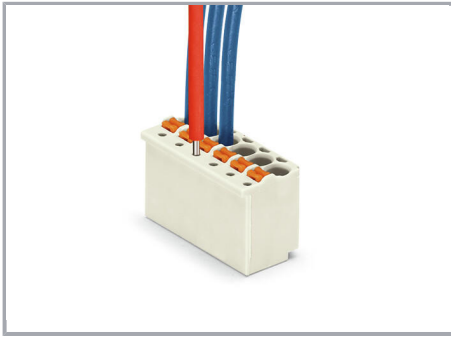
Coding



Coding a female connector (via coding key carrier and two keys for female connector, see symbol).

Testing

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



Testing via 1 mm Ø test pin – touch contact.

Product family

<i>picoMAX</i>[®] 3.5

[Show all products from the family](#)

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