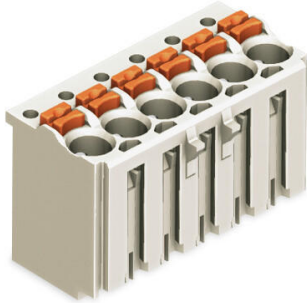


Data sheet | Item number: 2091-1127

1-conductor female plug; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 1,50 mm²;
light gray



www.wago.com/2091-1127

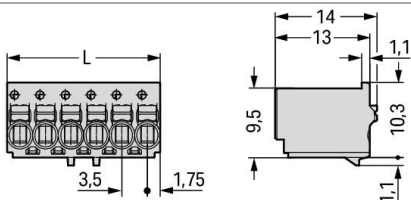
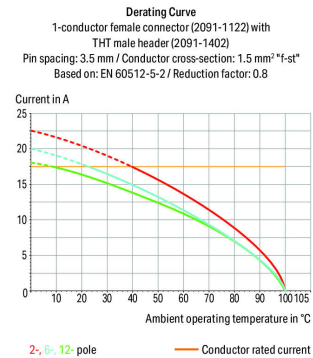


 Picture differs from the item.

RoHS  Compliant



Color: 



$$L = (\text{pole no.} - 1) \times \text{pin spacing}$$

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

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.



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

Ratings per CSA

Approvals per	CSA

Connection data

Connection technology	Push-in CAGE CLAMP [®]
-----------------------	---------------------------------

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



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.	7
Total number of connection points	7
Total number of potentials	7
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	24.5 mm / 0.965 inch
Height	14 mm / 0.551 inch
Depth	11.4 mm / 0.449 inch

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
Weight	3.1 g

Environmental requirements

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



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

Commercial data



Packaging type	BOX
Country of origin	DE
GTIN	4055143428644
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 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.2091-1407

THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; light gray

www.wago.com/2091-1407

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



Item no.2091-1427

THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; light gray

www.wago.com/2091-1427



Item no.2091-1407/200-000

THR male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; light gray

www.wago.com/2091-1407/200-000



Item no.2091-1427/200-000

THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; light gray

www.wago.com/2091-1427/200-000



Item no.2091-1707

Solder pin strip; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; black

www.wago.com/2091-1707



Item no.2091-1707/200-000

Solder pin strip; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; black

www.wago.com/2091-1707/200-000



Item no.2091-1727

Solder pin strip; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; black

www.wago.com/2091-1727



Item no.2091-1727/200-000

Solder pin strip; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; black

www.wago.com/2091-1727/200-000

Downloads

Documentation

Additional Information

Technical explanations	3. 4. 2019	pdf 2.0 MB	Download
------------------------	------------	---------------	----------

CAD/CAE-Data

CAD data

2D/3D Models 2091-1127	URL	Download
------------------------	-----	----------

CAE data

ZUKEN Portal 2091-1127	URL	Download
------------------------	-----	----------

Environmental Product Compliance

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.

Compliance Search

Environmental Product Compliance 2091-1127

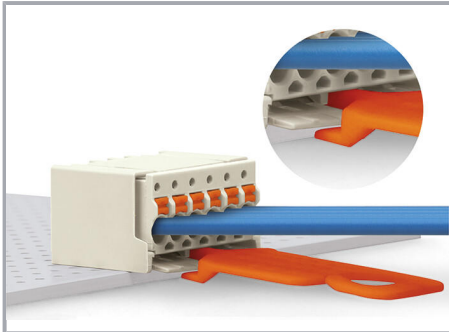
[URL](#)

[Download](#)

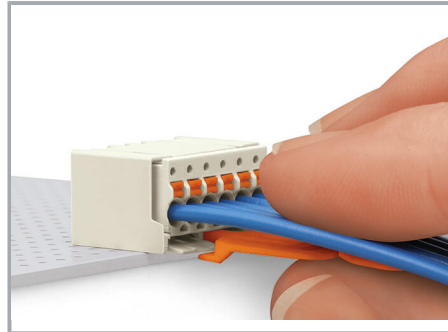
1-conductor female plug; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 1,50 mm²; light gray

Installation Notes

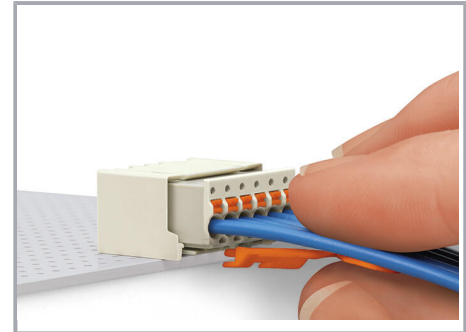
Locking system



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

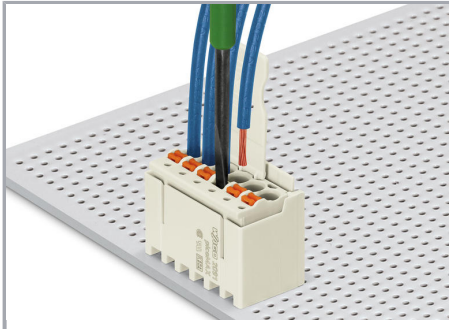


Insert unlocking tool until it hits the backstop. Wedge opens locking latches.

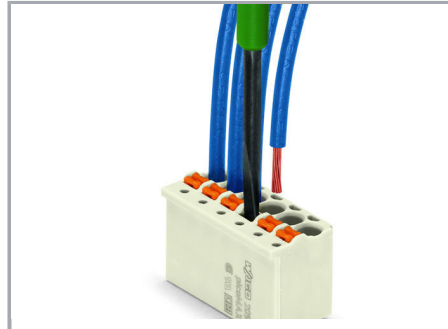


Pull on both unlocking tool and conductors to remove female connector from male header.

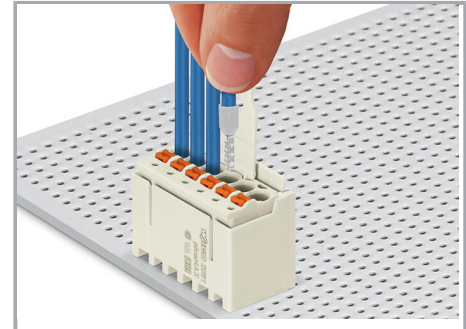
Conductor termination



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.

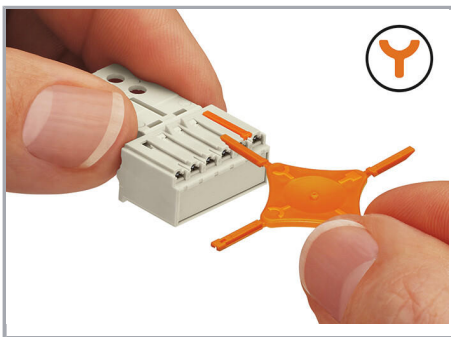
Marking

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



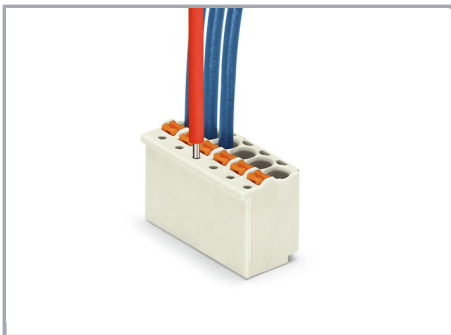
Pole marking via factory direct marking.

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

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