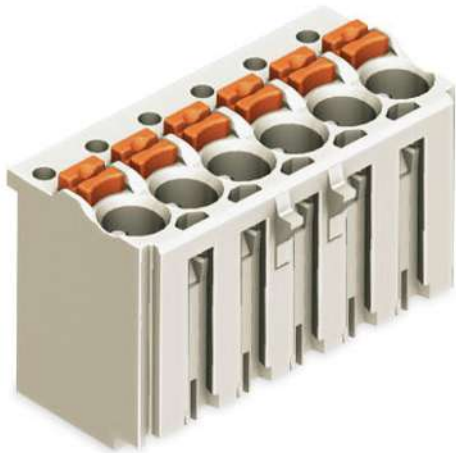


## Data sheet | Item number: 2091-1127

1-conductor female plug; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 7-pole; 1,50 mm<sup>2</sup>;  
light gray

[www.wago.com/2091-1127](http://www.wago.com/2091-1127)



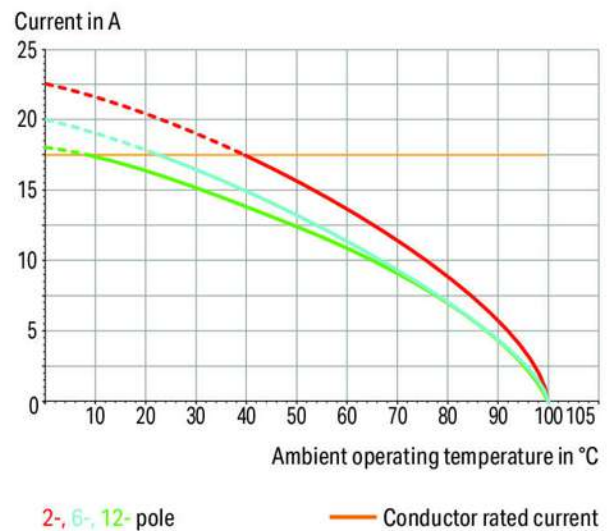
 Picture differs from the item.

RoHS   
Compliant

BOMcheck.net

Color: 

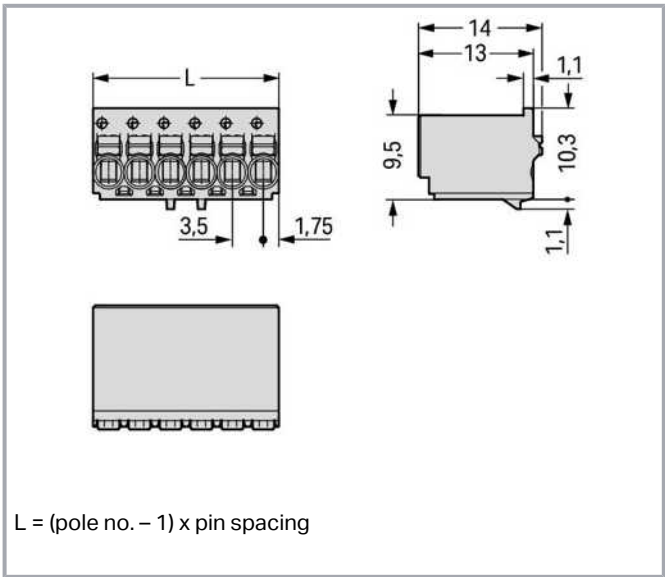
**Derating Curve**  
1-conductor female connector (2091-1122) with  
THT male header (2091-1402)  
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



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

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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

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	160 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V

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

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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) $\triangleq$ Overvoltage category III / Pollution degree 2

## UL Approvals

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

## CSA Approvals

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 <sup>2</sup> / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
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

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## 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 <sub>Cu</sub> )
Contact plating	tin-plated
Weight	3.1 g

## Environmental requirements



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

Packaging type	BOX
Country of origin	DE
GTIN	4055143428644
Customs tariff number	8536694040

## Approvals / Certificates

### Country specific Approvals



Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-49736 /A1
	<b>CSA</b> DEKRA Certification B.V.	C22.2	2362521
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 61984	71-102260 REV.1

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## 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

	<b>Item no.2091-1407</b> THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; light gray	<a href="http://www.wago.com/2091-1407">www.wago.com/2091-1407</a>
	<b>Item no.2091-1427</b> THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; light gray	<a href="http://www.wago.com/2091-1427">www.wago.com/2091-1427</a>
	<b>Item no.2091-1407/200-000</b> THR male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; light gray	<a href="http://www.wago.com/2091-1407/200-000">www.wago.com/2091-1407/200-000</a>
	<b>Item no.2091-1427/200-000</b> THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; light gray	<a href="http://www.wago.com/2091-1427/200-000">www.wago.com/2091-1427/200-000</a>
	<b>Item no.2091-1707</b> Solder pin strip; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; black	<a href="http://www.wago.com/2091-1707">www.wago.com/2091-1707</a>
	<b>Item no.2091-1707/200-000</b> Solder pin strip; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 7-pole; black	<a href="http://www.wago.com/2091-1707/200-000">www.wago.com/2091-1707/200-000</a>
	<b>Item no.2091-1727</b> Solder pin strip; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; black	<a href="http://www.wago.com/2091-1727">www.wago.com/2091-1727</a>
	<b>Item no.2091-1727/200-000</b> Solder pin strip; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 7-pole; black	<a href="http://www.wago.com/2091-1727/200-000">www.wago.com/2091-1727/200-000</a>

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 files

### CAD data

2D/3D Models 2091-1127	URL	Download
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### CAE data

ZUKEN Portal 2091-1127	URL	Download
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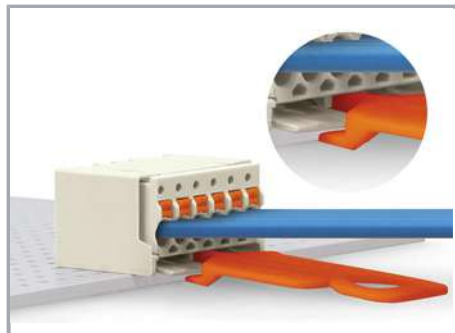
## Environmental Product Compliance

### Compliance Search

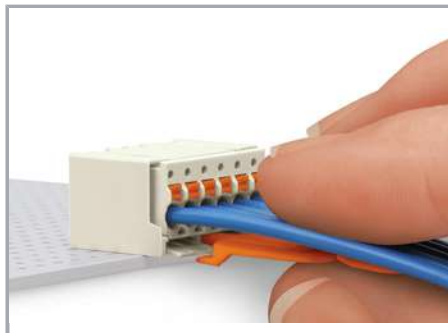
Environmental Product Compliance 2091-1127	URL	Download
1-conductor female plug; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 7-pole; 1,50 mm <sup>2</sup> ; light gray		

## Installation Notes

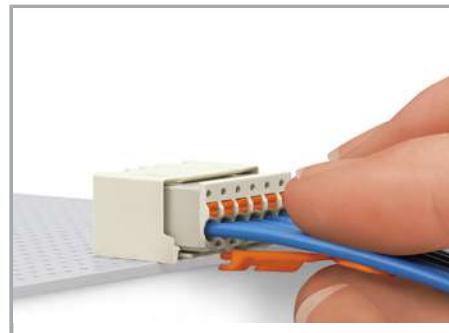
### Locking system



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.



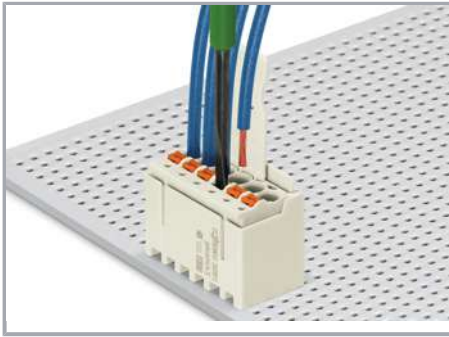
Pull on both unlocking tool and conductors to remove female connector from male header.

### Conductor termination

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

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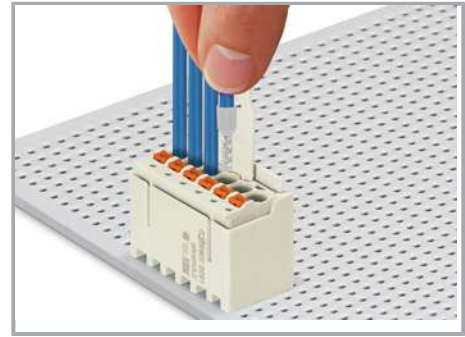
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Inserting fine-stranded conductor into mated female connector via push-button.



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.

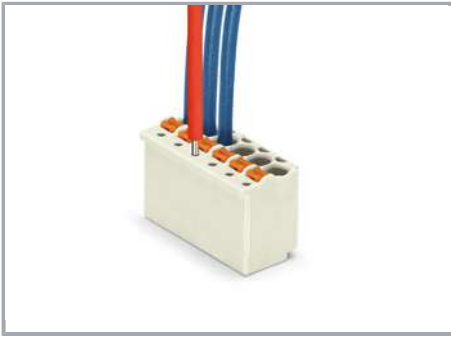
### Coding



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><sup>®</sup></sup> 3.5*

[Show all products from the family](#)

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

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