

Data sheet | Item number: 2092-1127

1-conductor female plug; 2.5 mm²; Pin spacing 5 mm; 7-pole; 2,50 mm²; light gray

www.wago.com/2092-1127



RoHS Compliant

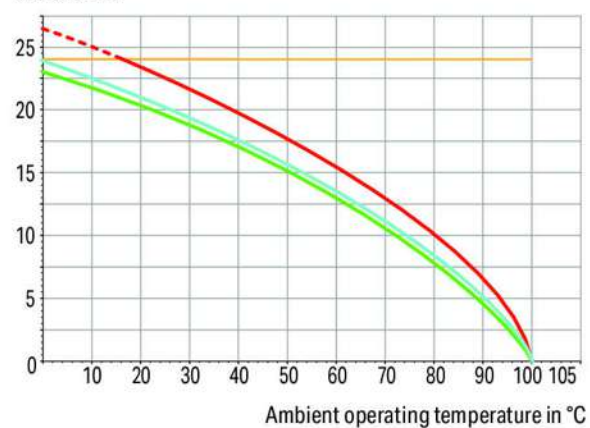
[BOMcheck.net](https://www.bomcheck.net)

Color:

Derating Curve

1-conductor female connector (2092-1122) with
THT male header (2092-1402)
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



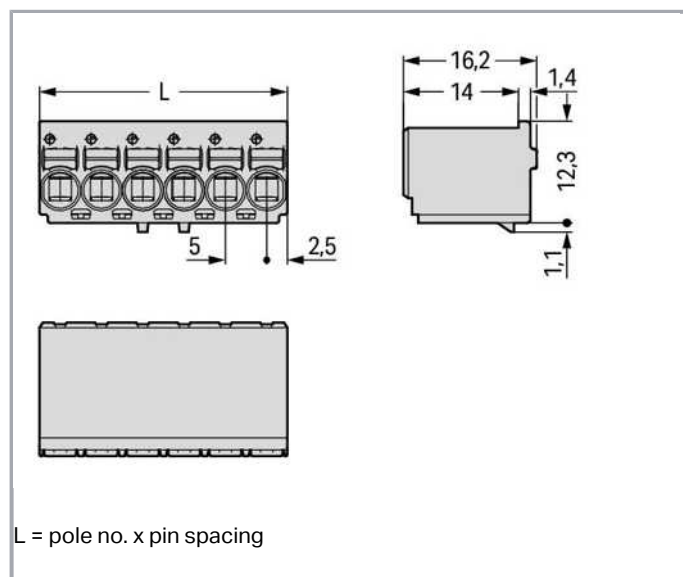
2-, 6-pole

Conductor rated current

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** is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V

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Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	16 A
Legend (ratings)	(III / 2) \triangleq Overvoltage category III / Pollution degree 2

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
Approvals per	UL 1059

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
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 ferrule with plastic collar	0.25 ... 1.5 mm ²
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 2.5 mm ²
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch
No. of poles	7
Total number of connection points	7
Total number of potentials	7
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	35 mm / 1.378 inch
Height	16.2 mm / 0.638 inch
Depth	13.4 mm / 0.528 inch

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductors

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

Mismating protection	No
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Material Data

Color	light gray
Material group	I
Insulating 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	0.149 MJ
Weight	6.4 g

Environmental Requirements


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


Product Group	26 (picoMAX)
Packaging type	BOX
Country of origin	DE
GTIN	4050821821625
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	2362521

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1977	20190909- E45171

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Counterpart


Item no.2092-1427

THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 7-pole; light gray

www.wago.com/2092-1427
Item no.2092-1407

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 7-pole; light gray

www.wago.com/2092-1407
Item no.2092-1707

Solder pin strip; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 7-pole; black

www.wago.com/2092-1707
Item no.2092-1707/200-000

Solder pin strip; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 7-pole; black

www.wago.com/2092-1707/200-000
Item no.2092-1727

Solder pin strip; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 7-pole; black

www.wago.com/2092-1727
Item no.2092-1727/200-000

Solder pin strip; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 7-pole; black

www.wago.com/2092-1727/200-000

Compatible products

check


Item no.: 735-500

Test pin; 1 mm Ø; with solder connection for test wire

www.wago.com/735-500

tools


Item no.: 2092-1630

Unlocking tool; orange

www.wago.com/2092-1630
Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Strain relief plate


Item no.: 2092-1602

Gripping plate; light gray

www.wago.com/2092-1602
Item no.: 2092-1602/002-000

Gripping plate with sliding connector release; light gray

www.wago.com/2092-1602/002-000

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Downloads Documentation

Additional Information
Technical explanations

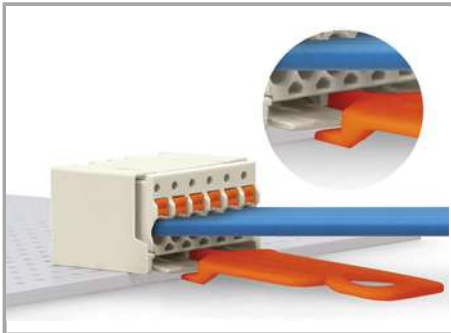
Apr 3, 2019

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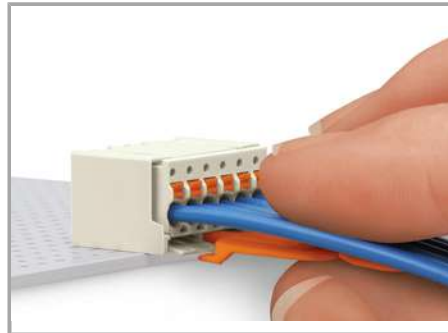
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Installation Notes

Locking



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

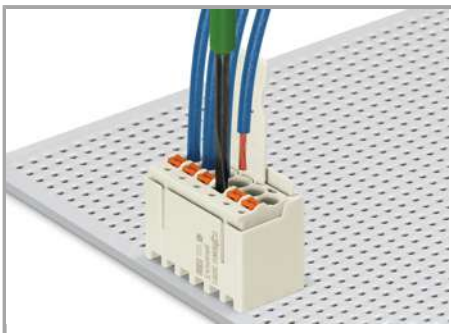


Insert unlocking tool until it hits backstop. Wedge opens locking latch.

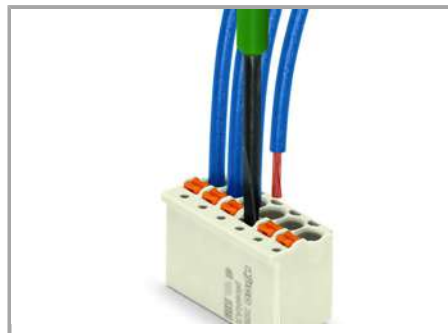


Pull on both unlocking tool and conductors to remove female connector from male header.

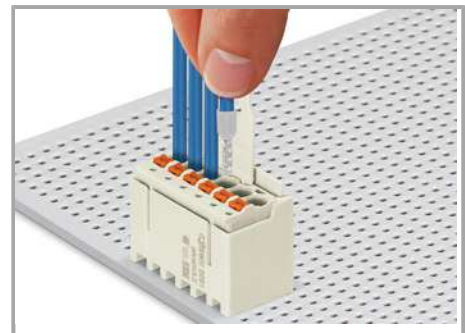
Inserting a conductor



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



Inserting fine-stranded conductor into 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!

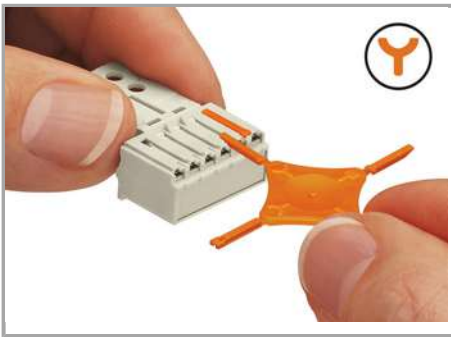
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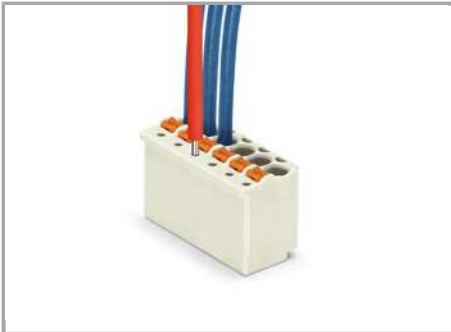
Pole marking via factory direct printing.

Coding



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

Testing



Testing with 1 mm Ø test pin, tip contact.

Product family

picoMAX

[Show all products from the family](#)

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