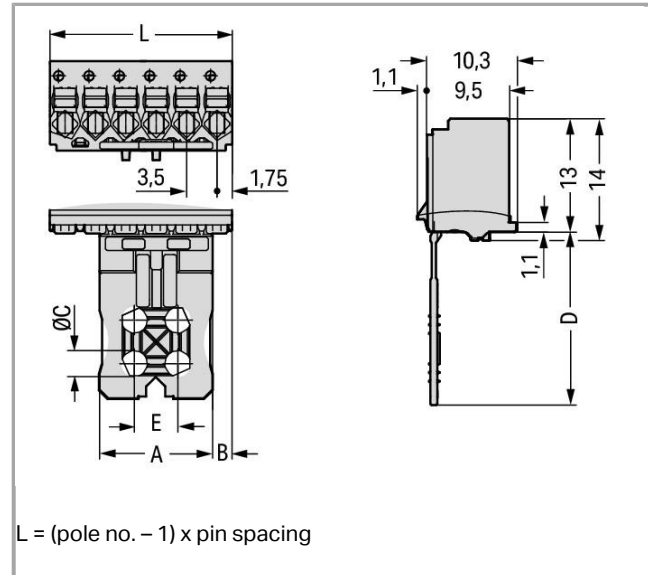


Data sheet | Item number: 2091-1103/000-5000

1-conductor female plug; Gripping plate; direct marking; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 3-pole; 1,50 mm<sup>2</sup>; light gray



2091-1103\_000-5000



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<sup>®</sup> 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**

Rated voltage (III / 3)	160 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	10 A

**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

**Connection data**

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
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 ferrule with plastic collar	0.25 0.75 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 1.5 mm <sup>2</sup>
Strip length	8 9 mm / 0.31 0.35 inch
Total number of potentials	3
Number of connection types	1
Number of levels	1
No. of poles	3

**Geometrical Data**

Pin spacing	3.5 mm / 0.138 inch
Width	10.5 mm / 0.413 inch
Height	31 mm / 1.22 inch

Depth	11.4 mm / 0.449 inch
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### Mechanical data

Design	With gripping plate
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### Plug connection

Contact type (pluggable connector)	Female connector/socket
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Connector connection type	for conductors
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Mismating protection	No
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### Material Data

Color	light gray
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Material group	I
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Insulating material	Polyphthalamide (PPA GF)
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Flammability class per UL94	V0
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Clamping spring material	Chrome nickel spring steel (CrNi)
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Contact material	Electrolytic copper (E <sub>Cu</sub> )
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Contact plating	tin-plated
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Fire load	0.037 MJ
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Weight	1.508 g
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### Environmental Requirements

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


Country of origin	DE
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GTIN	4050821327714
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Customs Tariff No.	85366990990
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### Approvals / Certificates



#### Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-49736
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 61984	71- 102260


#### Country specific Approvals

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




## Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	E45172
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	E45172

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	E45172

## Compatible products

<b>check</b>			
	<b>Item no.: 735-500</b> Test pin; 1 mm Ø; with solder connection for test wire		735-500
<b>tools</b>			
	<b>Item no.: 210-719</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft		210-719
<b>Coding</b>			
	<b>Item no.: 2091-1610</b> Coding key carrier; suitable for 3.5 mm pin spacing; orange		2091-1610



Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf  
3.6 MB

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Product family

**picoMAX**

Show all products from the family

Subject to changes.

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