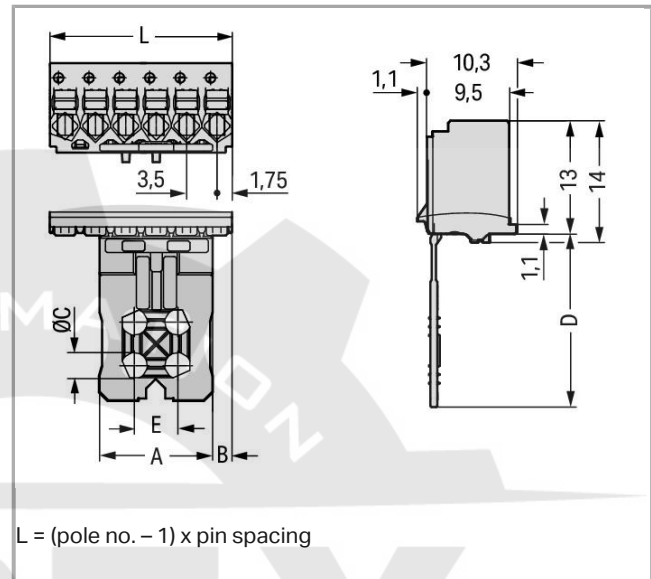


Data sheet | Item number: 2091-1103/000-5000

1-conductor female plug; Gripping plate; direct marking; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 1,50 mm²; light gray



2091-1103_000-5000



RoHS
Compliant

BOMcheck.net

Color:

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**

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 [®]		
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 ferrule with plastic collar	0.25	0.75 mm ²	
Fine-stranded conductor with ferrule without plastic collar	0.25	1.5 mm ²	
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
Connector connection type	for conductors
Mismating protection	No

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	0.037 MJ
Weight	1.508 g

Environmental Requirements

Limit temperature range	-60 +100 °C
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Commercial data

Country of origin	DE
GTIN	4050821327714
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-Approvals

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

Country specific Approvals

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

Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1059	E45172

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172

Compatible products

check



Item no.: 735-500

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

735-500

tools



Item no.: 210-719

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

210-719

Coding



Item no.: 2091-1610

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	Download
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Product family

picoMAX
Show all products from the family



Subject to changes.