

Data sheet | Item number: 2091-1104/000-5000

1-conductor female plug; Gripping plate; direct marking; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 1,50 mm²; light gray



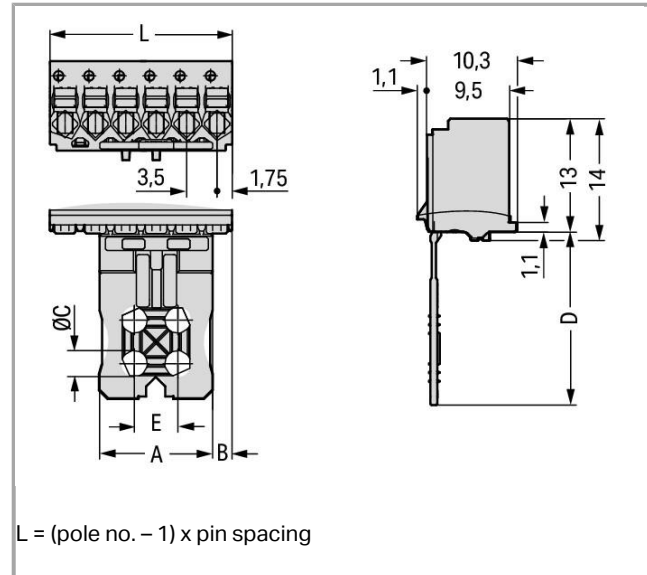
2091-1104_000-5000



RoHS Compliant

[BOMcheck.net](https://www.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	4
Number of connection types	1
Number of levels	1
No. of poles	4

Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	14 mm / 0.551 inch
Height	31 mm / 1.22 inch

Depth	11.4 mm / 0.449 inch
-------	----------------------

Mechanical data

Design	With gripping plate
--------	---------------------

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	0.047 MJ
-----------	----------

Weight	1.944 g
--------	---------

Environmental Requirements

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

Commercial data


Country of origin	DE
-------------------	----

GTIN	4050821327721
------	---------------



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

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

Product family

picoMAX

Show all products from the family

Subject to changes.
