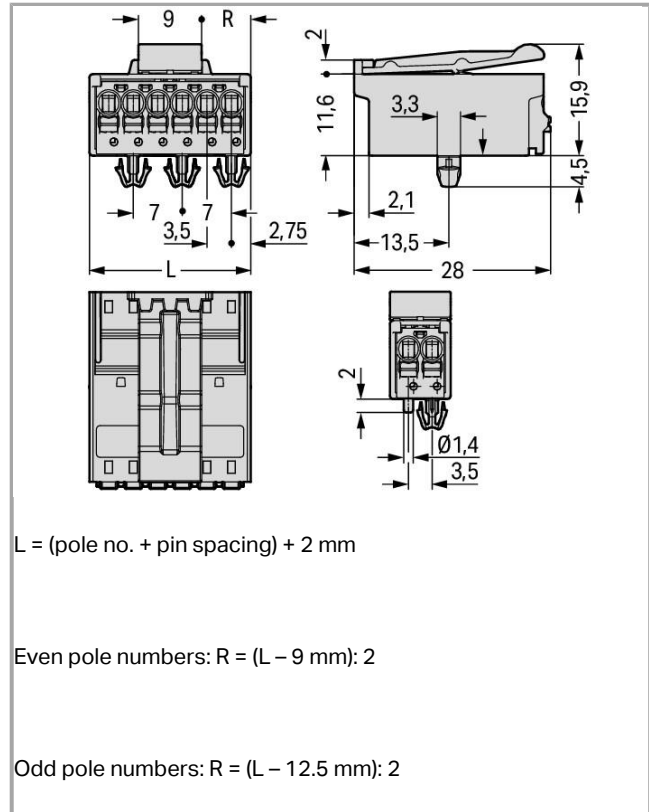


Data sheet | Item number: 2091-1530/020-000

1-conductor male connector; Snap-in mounting feet; Integrated release lever; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; 1,50 mm²; light gray



2091-1530_020-000



Item description

- Universal connection for all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require special tools
- Testing parallel to conductor entry – tip contact
- For “wire-to-wire” and “board-to-wire” connections
- Integrated release lever

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 mm² / 24 14 AWG
Fine-stranded conductor	0.2 1.5 mm² / 24 14 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 0.75 mm²
Fine-stranded conductor with ferrule without plastic collar	0.25 1.5 mm²
Strip length	8 9 mm / 0.31 0.35 inch
Total number of connection points	10
Total number of potentials	10
Number of connection types	1
Number of levels	1
No. of poles	10

Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	37 mm / 1.457 inch
Height	20.4 mm / 0.803 inch
Depth	28 mm / 1.102 inch

Mechanical data

Mounting type	Snap-in mounting foot
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Plug connection

Contact type (pluggable connector)	Male connector/plug
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Connector connection type	for conductors
Mismatching protection	No
Locking of plug-in connection	Male locking latch

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
Weight	9.35 g

Environmental Requirements

Limit temperature range	-60 +100 °C
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Commercial data

Country of origin	DE
GTIN	4055143543507
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-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

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 1977	E45171

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1977	20170428- E45171

Compatible products

Coding

	Item no.: 2091-1610 Coding key carrier; suitable for 3.5 mm pin spacing; orange	2091-1610
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Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE - Smart Data

CAD data

3D Download 2091-1530/020-000	URL	Download
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Product family

picoMAX

Show all products from the family

Subject to changes.
