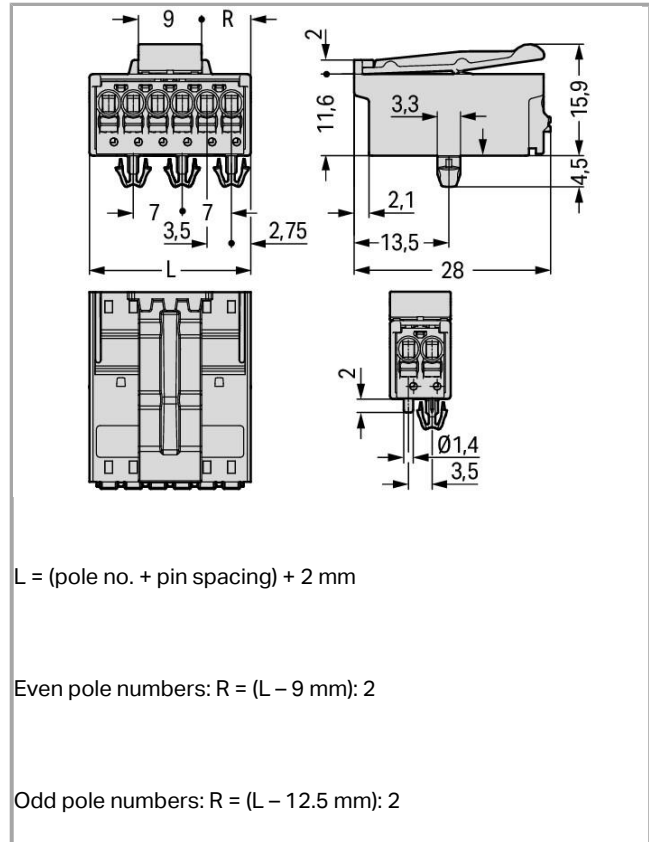


Data sheet | Item number: 2091-1523/020-000

1-conductor male connector; Snap-in mounting feet; Integrated release lever; 1.5 mm²; Pin spacing 3.5 mm; 3-pole



2091-1523/020-000



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
Rated current UL (Use Group D)	10 A

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
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	12.5 mm / 0.492 inch
Height	20.4 mm / 0.803 inch
Depth	28 mm / 1.102 inch

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductors
Mismating 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
Fire load	0 MJ
Weight	3.72 g

Environmental Requirements

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

Commercial data

Country of origin	DE
GTIN	4055143543514
Customs Tariff No.	85366990990

Approvals / Certificates

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

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	2091-1610
--	--	-----------

Downloads
Documentation

Additional Information	pdf 3.6 MB	Download
------------------------	---------------	----------

CAD/CAE - Smart Data

CAD data		
3D Download 2091-1523/020-000	URL	Download

Product family

picoMAX
Learn more about the product family.
Show all products from the family

Subject to changes.