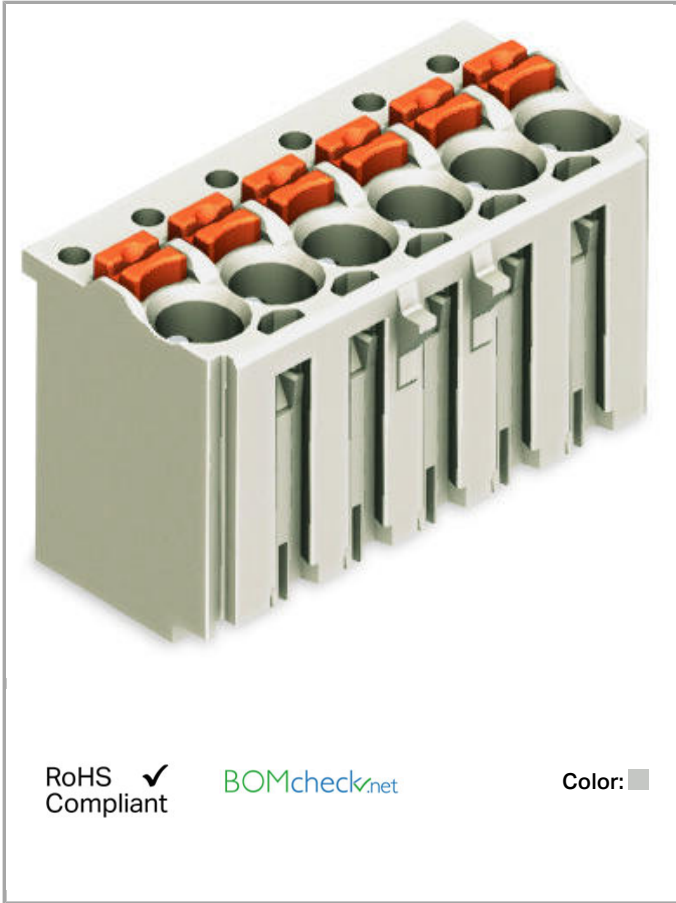


Data sheet | Item number: 2091-1128

1-conductor female plug; 1.5 mm²; Pin spacing 3.5 mm; 8-pole



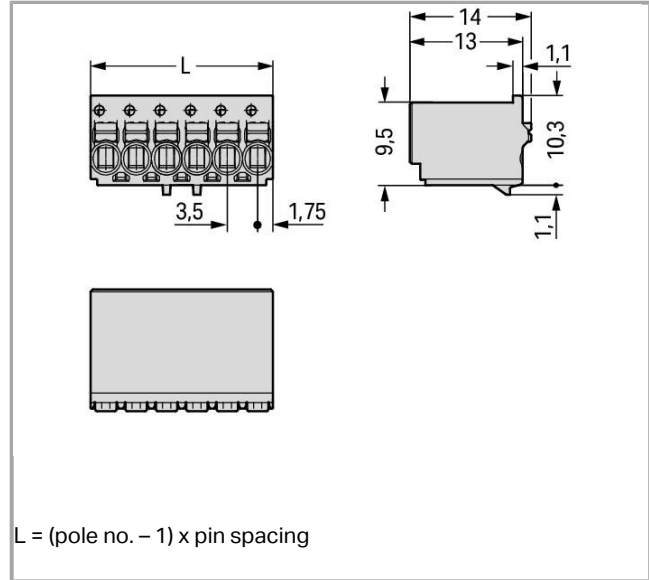
2091-1128



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

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 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
No. of poles	8
Total number of connection points	8
Total number of potentials	8
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	28 mm / 1.102 inch
Height	14 mm / 0.551 inch
Depth	11.4 mm / 0.449 inch

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductors

Mismating protection	No
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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	0.088 MJ
Weight	3.606 g

Environmental Requirements



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

Product Group	26 (picoMAX)
Country of origin	DE
GTIN	4050821160809
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



UR	UL 1059	E45172
Underwriters Laboratories Inc.		



UR	UL 1059	E45172
Underwriters Laboratories Inc.		



UR	UL 1977	E45171
Underwriters Laboratories Inc.		



Compatible products

Coding



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

check



Item no.: 735-500	735-500
Test pin; 1 mm Ø; with solder connection for test wire	

tools



Item no.: 2092-1630	2092-1630
Unlocking tool; for female connectors without gripping plate or sliding connector release	



Item no.: 210-719	210-719
Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	

Strain relief plate



Item no.: 2091-1602	2091-1602
Gripping plate	



Item no.: 2091-1602/002-000	2091-1602
Gripping plate with sliding connector release	/002-000

Downloads

Documentation

Additional Information

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3.6 MB

CAD/CAE - Smart Data

CAD data

3D Download 2091-1128

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Subject to changes.
