

Data Sheet | Item Number: 2091-1524/020-000

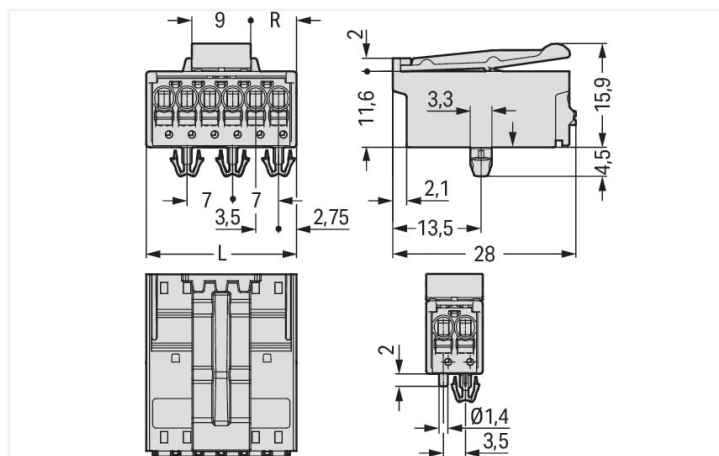
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; Integrated release lever; 1,50 mm²; light gray

<https://www.wago.com/2091-1524/020-000>



Color: light gray

Similar to illustration

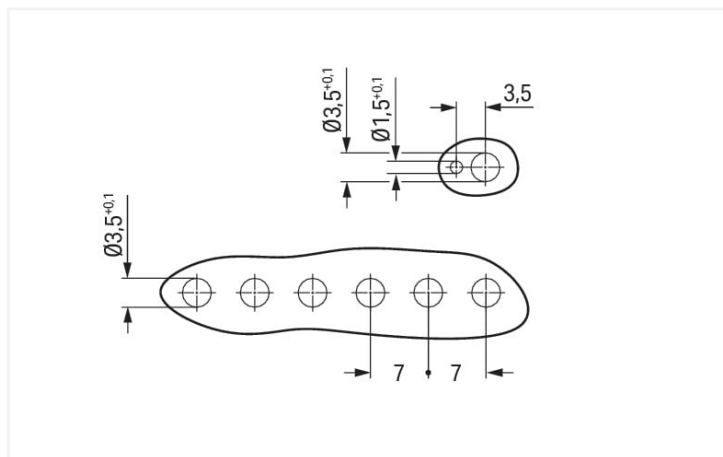


Dimensions in mm

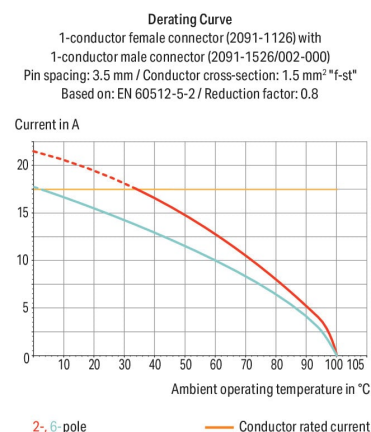
$$L = (\text{pole no.} \times \text{pin spacing}) + 2 \text{ mm}$$

Even pole number $R = (L - 9 \text{ mm}) : 2$

Odd pole number $R = (L - 12.5 \text{ mm}) : 2$



Dimensions in mm



- 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

Notes

Safety information

Variants:

The **picoMAX® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must 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.

Direct marking

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.



Electrical data							
Ratings per		IEC/EN 60664-1		Approvals per		UL 1059	
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	160 V	160 V	320 V	Rated current	10 A	-	10 A
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	10 A	10 A				

Connection data			
Connection points	4	Connection 1	
Total number of potentials	4	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Push-button
Number of levels	1	Actuation direction 1	Operation parallel to conductor entry
		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 insulated ferrule	0.25 ... 0.75 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm²
		Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
		Pole number	4

Physical data							
Pin spacing				3.5 mm / 0.138 inches			
Width				16 mm / 0.63 inches			
Height				20.4 mm / 0.803 inches			
Height from the surface				15.9 mm / 0.626 inches			
Depth				28 mm / 1.102 inches			

Mechanical data							
Variable coding				Yes			
Housing sheet thickness				0.6 ... 1.2 mm / 0.024 ... 0.047 inches			
Mounting type				Snap-in foot			
Anti-rotation protection				Yes			

Plug-in connection							
Contact type (pluggable connector)				Male connector/plug			
Connector (connection type)				for conductor			
Mismating protection				No			
Plugging without loss of pin spacing				Yes			
Locking of plug-in connection				Locking latch			



Material data	
Note (material data)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation 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
Fire load	0.02 MJ
Weight	4.6 g

Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data	
Product Group	26 (picoMAX Connectors)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821161400
Customs tariff number	85366930000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-49736/A1
CSA DEKRA Certification B.V.	C22.2	2362521
CSA DEKRA Certification B.V.	C22.2 No. 158	2362521
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-102260 REV.1
UL Underwriters Laboratories Inc.	UL 1977	E45171
UR Underwriters Laboratories Inc.	UL 1059	E45172



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance	2091-1524/020-000		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models	2091-1524/020-000	ZUKEN Portal	2091-1524/020-000

1 Compatible Products	
1.1 System counterpart	
1.1.1 Female connector/socket	



Item No.: 2091-1123
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 1,50 mm²; light gray

1.2 Optional Accessories	
1.2.1 Coding	
1.2.1.1 Coding	



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