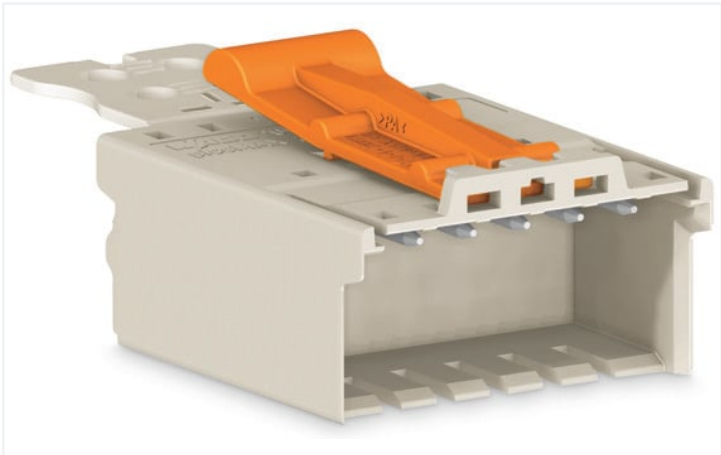


Data Sheet | Item Number: 2091-1508/002-000

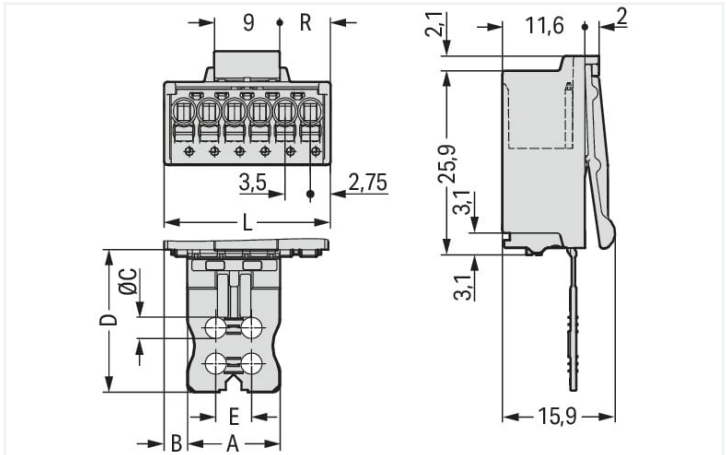
1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; Gripping plate; 1,50 mm²; light gray

<https://www.wago.com/2091-1508/002-000>



Color: ■ light gray

Similar to illustration



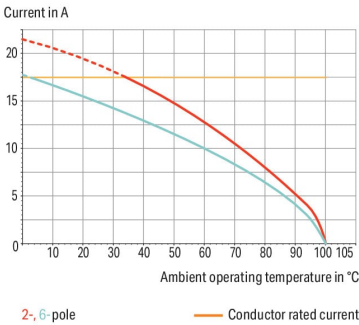
Dimensions in mm
L = (pole no. x pin spacing) + 2 mm
Even pole number R = (L – 9 mm) : 2
Odd pole number R = (L – 12.5 mm) : 2

Gripping plate Dimensions (in mm):

Pole No.	A	B	C	D	E
2	6	1.45	–	17	–
3	6	3.20	–	17	–
4	6	3.20	–	17	–
5	13	3.25	3	20	5
6	13	3.25	3	20	5
7	13	6.75	3	20	5
8	27	3.25	4.2	25	8
10	27	6.75	4.2	25	8
12	27	5.75	4.2	25	8

Derating Curve

1-conductor female connector (2091-1126) with
1-conductor male connector (2091-1526/002-000)
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



- 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			
Overvoltage category				III	III	II	
Pollution degree				3	2	2	
Nominal voltage				160 V	160 V	320 V	
Rated surge voltage				2.5 kV	2.5 kV	2.5 kV	
Rated current				10 A	10 A	10 A	

Approvals per				UL 1059			
Use group				B	C	D	
Rated voltage				300 V	-	300 V	
Rated current				10 A	-	10 A	

Connection data							
Connection points				8			
Total number of potentials				8			
Number of connection types				1			
Number of levels				1			

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
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	8

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	30 mm / 1.181 inches
Height	15.9 mm / 0.626 inches
Depth	47 mm / 1.85 inches

Mechanical data	
Variable coding	Yes
Design	with gripping plate
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	0.112 MJ



Material data

Weight	8.1 g
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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)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821161349
Customs tariff number	85366930000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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
2091-1508/002-000

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Documentation

Additional Information

Technical Section
03.04.2019
pdf
2010.85 KB

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CAD/CAE-Data

CAD data
2D/3D Models
2091-1508/002-000

↓

CAE data
ZUKEN Portal
2091-1508/002-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 2091-1128
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray



Item No.: 2091-1328
THT female header; angled; Pin spacing 3.5 mm; 8-pole; 0.4 x 0.9 mm solder pin; light gray



Item No.: 2091-1308
THT female header; straight; Pin spacing 3.5 mm; 8-pole; 0.4 x 0.9 mm solder pin; 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