

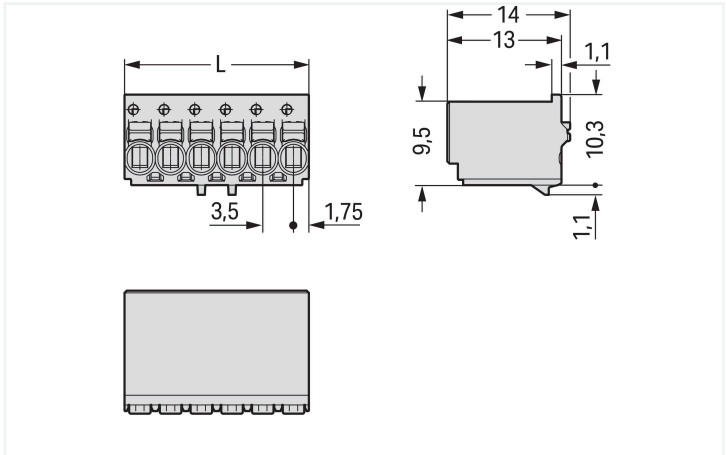
Data Sheet | Item Number: 2091-1126

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 1,50 mm²; light gray

<https://www.wago.com/2091-1126>

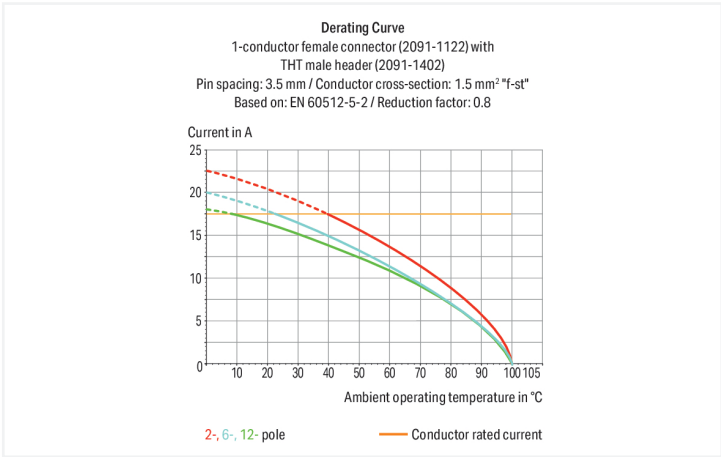


Color: ■ light gray



Dimensions in mm

L = pole no. x pin spacing



Federleiste/Buchse Serie 2091, lichtgrau

Bei dieser Federleiste/Buchse mit der Artikelnummer 2091-1126 ist eine fehlerfreie Elektroinstallation der Fokus. Mit unseren Leiterplatten-Steckverbindern bekommen Sie ein ganzheitliches Steckverbindersystem, das vielseitig Verwendung finden kann: als Leiterplatten-Steckverbinder, als Durchführungssteckverbinder, als fliegende Steckverbindung für verschiedene Montagearten oder als Steckverbinder auf Reihenklemmen. Bei dieser Federleiste/Buchse ist für den Leiteranschluss eine Abisolierlänge im Bereich von 8 bis 9 mm erforderlich. Dieses Produkt ist mit der Push-in CAGE CLAMP®-Technologie ausgestattet. Die Push-in CAGE CLAMP® Anschlussstechnik ist der Universalanschluss für alle Leiterarten mit dem Zusatznutzen des direkten Steckens. Starre Leiter sowie feindrähtige Leiter mit Aderendhülse können ohne Werkzeug direkt in die Klemmstelle gesteckt werden. Die Abmessungen sind in Breite x Höhe x Tiefe (21 x 14 x 11,4) mm. In Abhängigkeit von der Leiterart ist die Federleiste/Buchse gemacht für Leiterquerschnitte von 0,2 mm² bis 1,5 mm². Die Oberfläche der Kontakte ist aus Zinn. Diese Federleiste/Buchse wird durch einen Drücker betätigt. picoMAX® ist das kompakte Steckverbindersystem mit innovativem Design. Es verwendet die Kontaktkraft einer einzigen Cr-Ni-Stahlfeder doppelt – einerseits für den Anschluss des Leiters, andererseits für die Kontaktierung des Steckerstiftes.

Notes	
Safety Information	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. 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 un-mated.
Safety information 2	The use of ferrules is recommended for applications with higher requirements.
Variants:	To prevent excessive force on the clamping point, effective cable strain relief must be used. 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 impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	10 A	10 A				

Connection data

Clamping units	6	Connection 1	
Total number of potentials	6	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	6

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	21 mm / 0.827 inches
Height	14 mm / 0.551 inches
Depth	11.4 mm / 0.449 inches

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No
Plugging without loss of pin spacing	Yes

Material data

Note (material data)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation material (main housing)	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	0.061 MJ
Weight	2.8 g



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

Commercial data	
Product Group	26 (picoMAX Connectors)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821160793
Customs tariff number	85366990990

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
ECCN	NO US CLASSIFICATION

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
UR Underwriters Laboratories Inc.	UL 1059	E45172



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 2091-1126			

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 2091-1126	

CAE data
ZUKEN Portal 2091-1126

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug

 Item No.: 2091-1526/020-000 1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; Integrated release lever; 1,50 mm²; light gray	 Item No.: 2091-1506/002-000 1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; Gripping plate; 1,50 mm²; light gray	 Item No.: 2091-1526/002-000 1-conductor male connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; Integrated release lever; 1,50 mm²; light gray	 Item No.: 2091-1636/024-000 Panel feedthrough male connector; clamping collar; 1.5 mm²; 6-pole; Pin spacing 3.5 mm; light gray
 Item No.: 2091-1426/205-000 THR male header; 1.0 mm Ø solder pin; angled; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray	 Item No.: 2091-1426/200-000/997-406 THR male header; 1.0 mm Ø solder pin; angled; in tape-and-reel packaging; Pin spacing 3.5 mm; 6-pole; light gray	 Item No.: 2091-1426/200-604 THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; black	 Item No.: 2091-1426/200-000 THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; light gray
 Item No.: 2091-1406/205-000 THR male header; 1.0 mm Ø solder pin; straight; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray	 Item No.: 2091-1406/200-000 THR male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; light gray	 Item No.: 2091-1726/200-000 THR pin strip; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; black	 Item No.: 2091-1706/200-000 THR pin strip; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; black
 Item No.: 2091-1426/005-000 THT male header; 1.0 mm Ø solder pin; angled; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray	 Item No.: 2091-1426 THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; light gray	 Item No.: 2091-1406/005-000 THT male header; 1.0 mm Ø solder pin; straight; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray	 Item No.: 2091-1406 THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; light gray
 Item No.: 2091-1726 THT pin strip; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 6-pole; black	 Item No.: 2091-1706 THT pin strip; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 6-pole; black		



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

1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored



Item No.: 216-302
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-132
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated



Item No.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored



Item No.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored



Item No.: 216-122
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored



Item No.: 216-203
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated



Item No.: 216-143
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-204
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-144
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored



Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored

1.2.3 Strain relief

1.2.3.1 Gripping plate



Item No.: 2091-1602/002-000
Gripping plate with sliding connector release; for female and male connectors; 2 parts; Pin spacing 3.5 mm; light gray



Item No.: 2091-1602
Gripping plate; for female and male connectors; 1 part; Pin spacing 3.5 mm; light gray

1.2.4 Test and measurement

1.2.4.1 Testing accessories



Item No.: 735-500
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

1.2.5 Tool

1.2.5.1 Operating tool



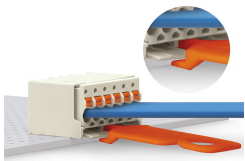
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



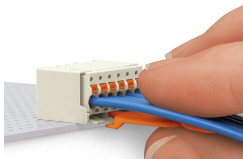
Item No.: 2092-1630
Unlocking tool; orange

Installation Notes

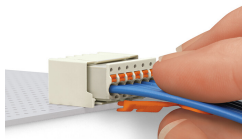
Locking system



Disconnecting a female connector via un-locking tool. Plug unlocking tool into the male header's locking latch.

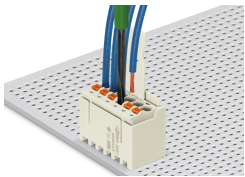


Insert unlocking tool until it hits the back-stop. Wedge opens locking latches.



Pull on both unlocking tool and conduc-tors to remove female connector from male header.

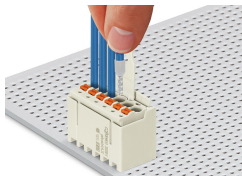
Conductor termination



Inserting fine-stranded conductor into mated female connector via push-button.



Inserting a fine-stranded conductor into an unmated female connector via push-button.



Inserting solid and ferruled conductors via push-in termination.

Marking



Pole marking via factory direct marking.

Coding



Coding a female connector (via coding key carrier and two keys for female connector, see symbol).

Testing



Testing via 1 mm Ø test pin – touch contact.