

Data Sheet | Item Number: 2092-1124

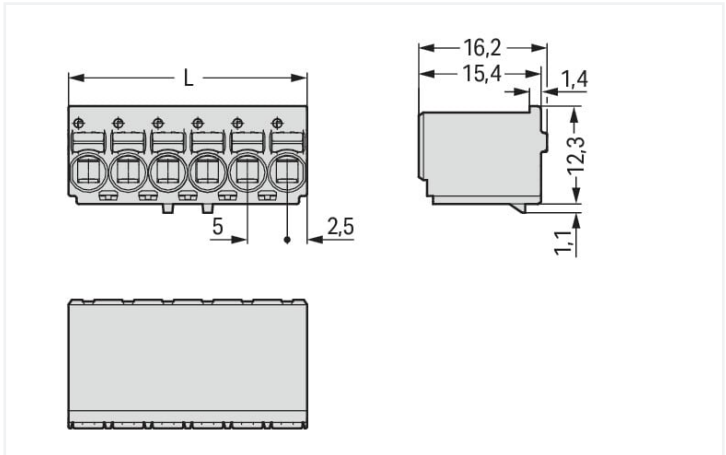
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray

<https://www.wago.com/2092-1124>



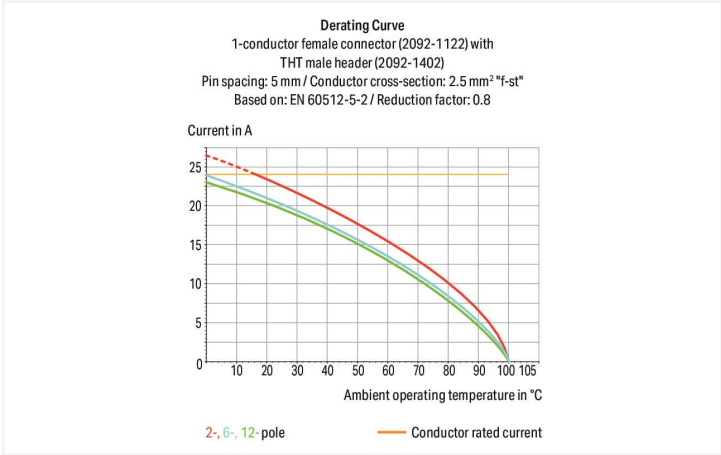
Color: ■ light gray

Similar to illustration



Dimensions in mm

L = pole no. x pin spacing



- 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

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. The circuit design should ensure header pins, which can be touched, are not live when unmated.
Variants:	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		250 V	320 V	630 V
Rated surge voltage		4 kV	4 kV	4 kV
Rated current		16 A	16 A	16 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		15 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 ... 2.5 mm² / 24 ... 12 AWG	
		Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG	
		Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²	
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²	
		Strip length	9 ... 10 mm / 0.35 ... 0.39 inches	
		Pole number	4	
Physical data				
Pin spacing		5 mm / 0.197 inches		
Width		20 mm / 0.787 inches		
Height		16.2 mm / 0.638 inches		
Depth		13.4 mm / 0.528 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		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		0.085 MJ		
Weight		3.8 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	4050821163497
Customs tariff number	85366990990

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-49737/A1
CSA DEKRA Certification B.V.	C22.2	2362521
CSA DEKRA Certification B.V.	C22.2 No. 158	2362521
cURus Underwriters Laboratories Inc.	UL 1059	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-102261 REV.2
UL Underwriters Laboratories Inc.	UL 1977	E45171

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2092-1124	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 2092-1124	ZUKEN Portal 2092-1124

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug

 Item No.: 2092-1524/020-000 1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; Integrated release lever; 2,50 mm²; light gray	 Item No.: 2092-1504/002-000 1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; Gripping plate; 2,50 mm²; light gray	 Item No.: 2092-1524/002-000 1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; Integrated release lever; 2,50 mm²; light gray	 Item No.: 2092-1634/024-000 Panel feedthrough male connector; clamping collar; 2.5 mm²; 4-pole; Pin spacing 5 mm; light gray
 Item No.: 2092-1424/205-000 THR male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 5 mm; 4-pole; light gray	 Item No.: 2092-1724/200-000 THR male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 4-pole; black	 Item No.: 2092-1424/200-000 THR male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 4-pole; light gray	 Item No.: 2092-1404/205-000 THR male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 5 mm; 4-pole; light gray
 Item No.: 2092-1704/200-000 THR male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 4-pole; black	 Item No.: 2092-1404/200-000 THR male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 4-pole; light gray	 Item No.: 2092-1424/005-000 THT male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 5 mm; 4-pole; light gray	 Item No.: 2092-1724 THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 4-pole; black
 Item No.: 2092-1424 THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 4-pole; light gray	 Item No.: 2092-1404/005-000 THT male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 5 mm; 4-pole; light gray	 Item No.: 2092-1704 THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 4-pole; black	 Item No.: 2092-1404 THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 4-pole; light gray

1.2 Optional Accessories

1.2.1 Strain relief

1.2.1.1 Strain relief plate

 Item No.: 2092-1601/002-000 Gripping plate with sliding connector release; for female and male connectors; 2 parts; Pin spacing 5 mm; 3- to 4-pole; light gray	 Item No.: 2092-1601 Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray
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1.2.2 Test and measurement

1.2.2.1 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

1.2.3 Tool

1.2.3.1 Operating tool



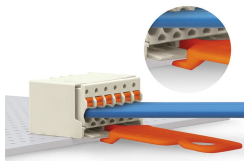
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



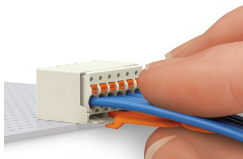
Item No.: 2092-1630
Unlocking tool; orange

Installation Notes

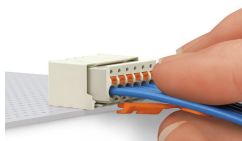
Locking system



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

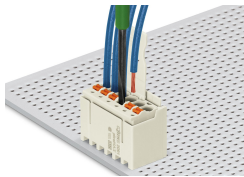


Insert unlocking tool until it hits the back-stop. Wedge opens locking latches.



Pull on both unlocking tool and conductors to remove female connector from male header.

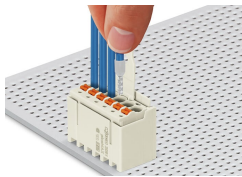
Conductor termination



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.