

Data Sheet | Item Number: 2092-1130/000-5000

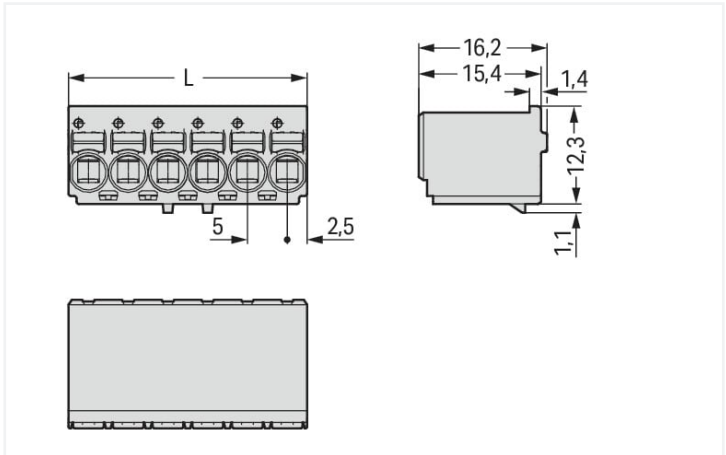
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 10-pole; direct marking; 2,50 mm²; light gray

<https://www.wago.com/2092-1130/000-5000>



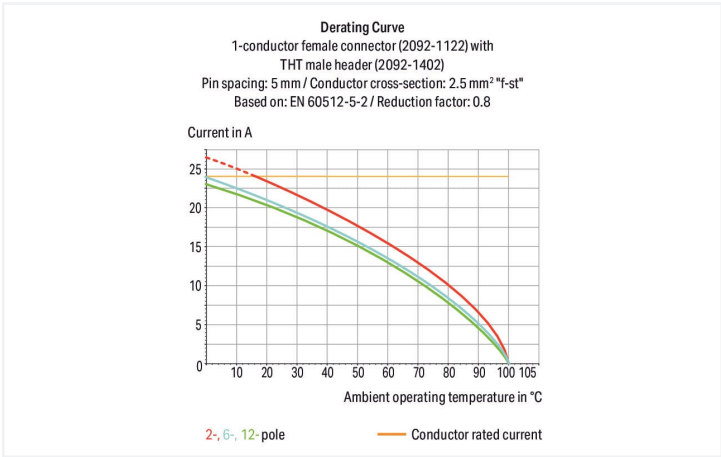
Color: ■ light gray

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		10	Connection 1	
Total number of potentials		10	Connection technology	
Number of connection types		1	Push-in CAGE CLAMP®	
Number of levels		1	Actuation type	
			Push-button	
			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	
			10	
Physical data				
Pin spacing		5 mm / 0.197 inches		
Width		50 mm / 1.969 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		0.025 MJ		
Weight		9.5 g		



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

Commercial data	
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)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821358138
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
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 2092-1130/000-5000	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 2092-1430
THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 10-pole; light gray



Item No.: 2092-1410
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 10-pole; light gray

1.2 Optional Accessories

1.2.1 Strain relief

1.2.1.1 Strain relief plate



Item No.: 2092-1603/002-000
Gripping plate with sliding connector release; for female and male connectors; 2 parts; Pin spacing 5 mm; light gray



Item No.: 2092-1603
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; light gray

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



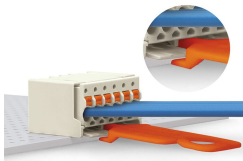
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



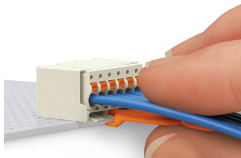
Item No.: 2092-1630
Unlocking tool; orange

Installation Notes

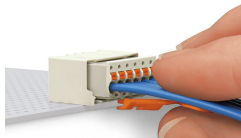
Locking system



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

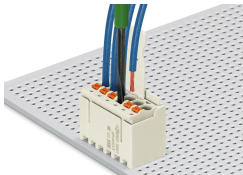


Insert unlocking tool until it hits the back-stop. Wedge opens locking latches.



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

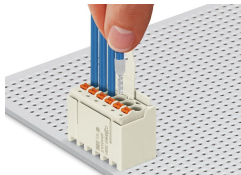
Conductor termination



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



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



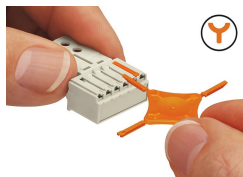
Inserting solid and ferruled conductors via push-in termination.

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.