

Data Sheet | Item Number: 2091-1154/000-5000

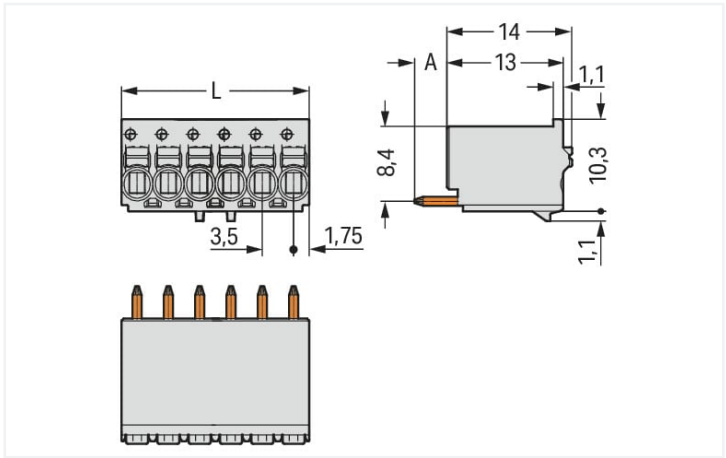
1-conductor THT female connector straight; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 1.0 mm Ø solder pin; Gripping plate; direct marking; 1,50 mm²; light gray

<https://www.wago.com/2091-1154/000-5000>



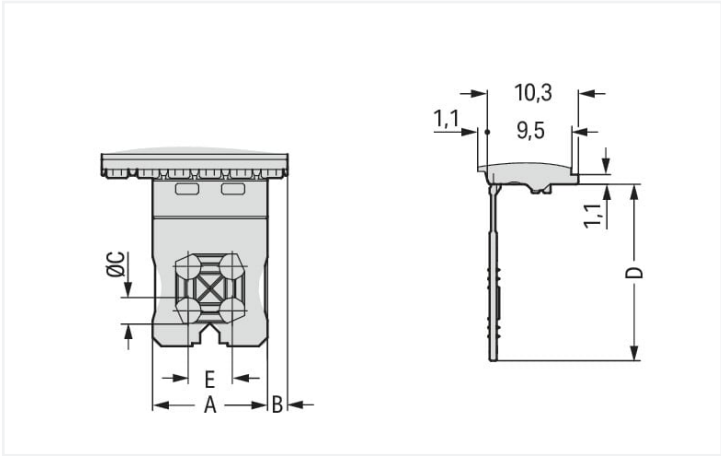
Color: ■ light gray

Similar to illustration

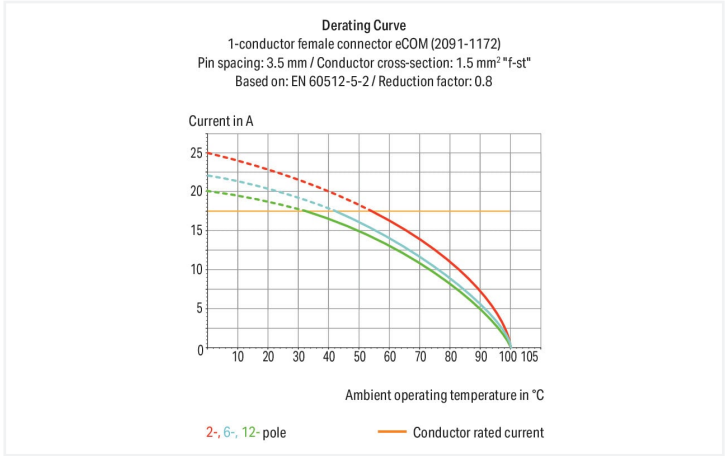


Dimensions in mm

L = pole no. x pin spacing
A = 3.6 mm THT solder pin
A = 2.4 mm THR solder pin



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
- Ability to wire while mated or unmated
- Integrated test ports for testing parallel to conductor entry
- Custom-installed solder pins

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.



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	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	
		Conductor connection direction to PCB	90 °	
		Pole number	4	
Physical data				
Pin spacing		3.5 mm / 0.138 inches		
Width		14 mm / 0.551 inches		
Height		30 mm / 1.181 inches		
Depth		11.4 mm / 0.449 inches		
Solder pin length		3.6 mm		
Solder pin diameter		1 mm		
Drilled hole diameter with tolerance		1.2 ^(+0.1) mm		
Mechanical data				
Variable coding		No		
Marking type		Numbers		
Design		with gripping plate		
Anti-rotation protection		Yes		
Plug-in connection				
Contact type (pluggable connector)		Female connector/socket		
Connector (connection type)		for PCB		
Mismating protection		No		
Plugging without loss of pin spacing		Yes		
Mating direction to the PCB		90 °		



PCB contact	
PCB contact	THT

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	0.009 MJ
Weight	2.3 g

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

Commercial data	
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821366522
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-49736/A1
CSA DEKRA Certification B.V.	C22.2	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	2091-1154/000-5000		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	

1 Compatible Products
1.1 Optional Accessories
1.1.1 Coding
1.1.1.1 Coding



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

1.1.2 Test and measurement
1.1.2.1 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

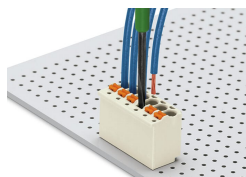
1.1.3 Tool
1.1.3.1 Operating tool



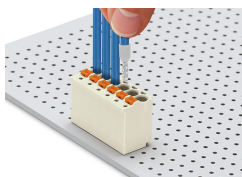
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

Conductor termination



Terminating fine-stranded conductors and removing all conductor types via push-buttons.



Solid and ferruled conductors are terminated by simply pushing them into unit.

Marking



Pole marking via direct marking perpendicular to conductor entry.



Pole marking via factory direct marking.

Testing



Testing via 1 mm Ø test pin – touch contact.