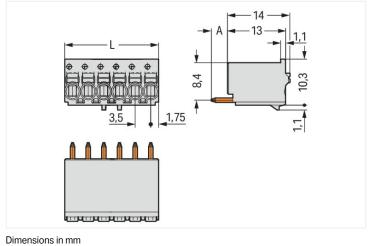
1-conductor THT female connector straight; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; 1.0 mm Ø solder pin; 1,50 mm²; light gray



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Similar to illustration

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



- 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 $\textbf{picoMAX}^{\texttt{o}}$ 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.

IE	C/EN 60664	-1
III	III	II
3	2	2
160 V	160 V	320 V
2.5 kV	2.5 kV	2.5 kV
10 A	10 A	10 A
	III 3 160 V 2.5 kV	3 2 160 V 160 V 2.5 kV 2.5 kV

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A



Connection data			
Connection points	10	Connection 1	
Total number of potentials	10	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Push-button
Number of levels 1	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 mm ²
	Fine-stranded conductor; with uninsulated ferrule	0.25 1.5 mm ²	
		Strip length	8 9 mm / 0.31 0.35 inches
		Conductor connection direction to PCB	90°
	Pole number	10	

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	35 mm / 1.378 inches
Height	14 mm / 0.551 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
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	ТНТ	

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	0.015 MJ
Weight	5.4 g

https://www.wago.com/2091-1180



Environmental requirements

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

Commercial data	
Product Group	26 (picoMAX Connectors)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	Вох
Country of origin	DE
GTIN	4050821162469
Customs tariff number	85366990990

Environmental Product Compliance

Compliant, No Exemption RoHS Compliance Status

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

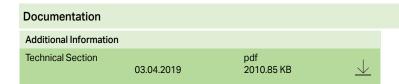
Compliance Search

Environmental Product Compliance 2091-1180



https://www.wago.com/2091-1180







1.1 Optional Accessories 1.1.1 Coding 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 \emptyset ; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm 2

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-719

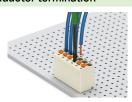
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

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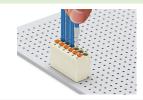


Installation Notes

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 \emptyset test pin – touch contact.

Subject to changes. Please also observe the further product documentation!