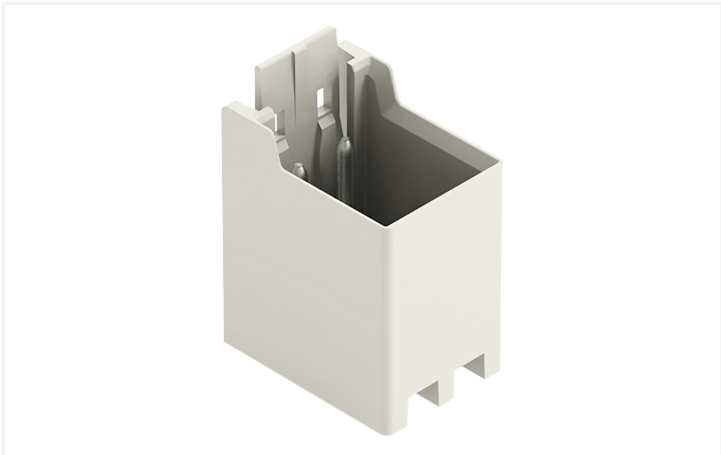
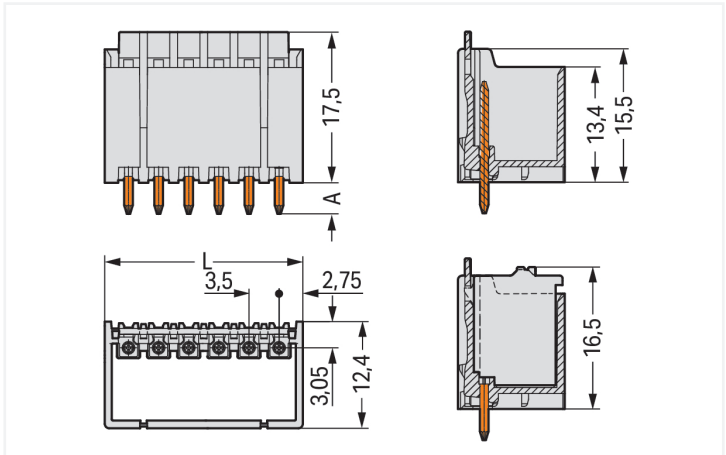


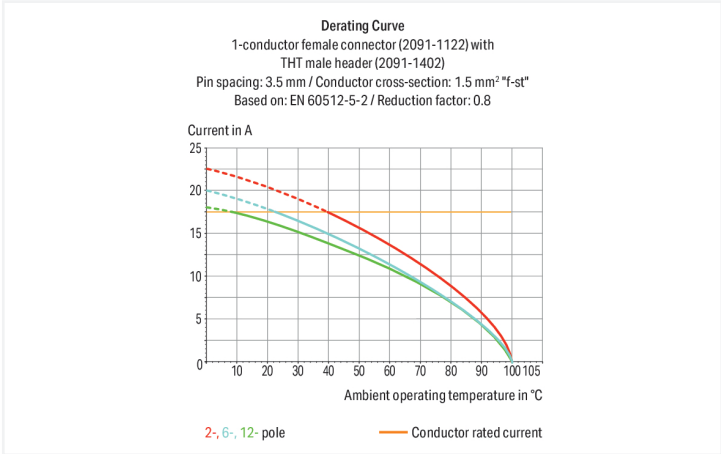


Color: ■ light gray

Similar to illustration



Dimensions in mm
L = (pole no. x pin spacing) + 2.0 mm
A = 3.6 mm THT solder pin
A = 2.4 mm THR solder pin



Stiftleiste Serie 2091, lichtgrau

Die Stiftleiste mit der Artikelnummer 2091-1405 ermöglicht eine saubere ordentliche Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf alterprobte Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie diverse Verwendungsmöglichkeiten. In Breite x Höhe x Tiefe sind die Abmessungen (19,5 x 21,1 x 12,4) mm. Die Kontaktoberfläche ist aus Zinn. picoMAX® ist ein kompaktes Steckverbindersystem mit innovativem Design. Es kann die Kontaktkraft einer einzigen Cr-Ni-Stahlfeder zweifach nutzen – einerseits für die Kontaktierung des Steckerstiftes, andererseits für den Anschluss des Leiters. Die Verlötlung des Leiterplatten-Steckverbinders erfolgt mittels THT.

Notes

Safety Information

Direct marking
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Variants:

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 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							
Total number of potentials				5			
Number of connection types				1			
Number of levels				1			

Connection 1							
Pole number				5			

Physical data							
Pin spacing				3.5 mm / 0.138 inches			
Width				19.5 mm / 0.768 inches			
Height				21.1 mm / 0.831 inches			
Height from the surface				17.5 mm / 0.689 inches			
Depth				12.4 mm / 0.488 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				Yes			
Anti-rotation protection				Yes			

Plug-in connection							
Contact type (pluggable connector)				Male connector/plug			
Connector (connection type)				for PCB			
Mismating protection				No			
Plugging without loss of pin spacing				Yes			
Mating direction to the PCB				90 °			
Locking of plug-in connection				Locking latch			

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 (main housing)				Polyphthalamide (PPA GF)			
Flammability class per UL94				V0			
Contact material				Electrolytic copper (E _{CU})			
Contact Plating				Tin			
Fire load				0.038 MJ			
Weight				1.8 g			



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

Commercial data	
Product Group	26 (picoMAX Connectors)
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821161028
Customs tariff number	85366930000

Product classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 9.0	EC002637
ETIM 8.0	EC002637
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
UL Underwriters Laboratories Inc.	UL 1977	E45171



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2091-1405

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Documentation

Additional Information

Technical Section03.04.2019pdf2027.26 KB

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CAD/CAE-Data

CAD data2D/3D Models2091-1405

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CAE dataZUKEN Portal2091-1405

↓

PCB Design

Symbol and Footprint via SamacSys2091-1405

↓

Symbol and Footprint via Ultra Librarian2091-1405

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 2091-1125

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; 1,50 mm²; light gray

Item No.: 2091-1105/002-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; Gripping plate sliding connector release; 1,50 mm²; light gray

Item No.: 2091-1105/002-1000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; Gripping plate sliding connector release; direct marking; 1,50 mm²; light gray

Item No.: 2091-1105

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; Gripping plate; 1,50 mm²; light gray

Item No.: 2091-1105/000-1000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; Gripping plate; direct marking; 1,50 mm²; light gray

Item No.: 2091-1105/000-5000

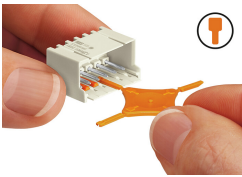
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; Gripping plate; direct marking; 1,50 mm²; light gray

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

Installation Notes
Coding



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