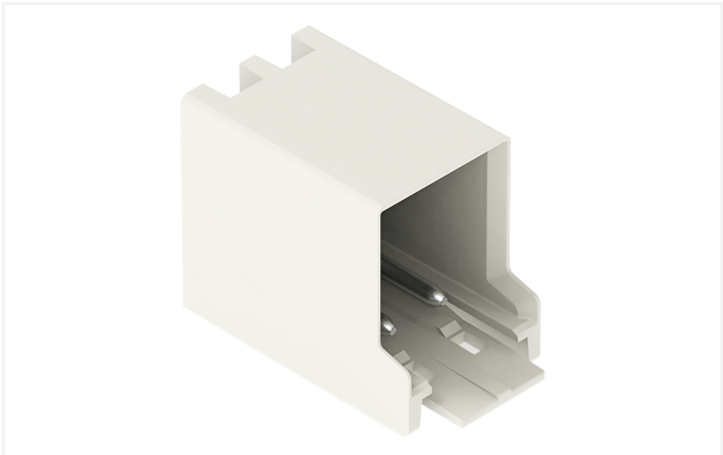
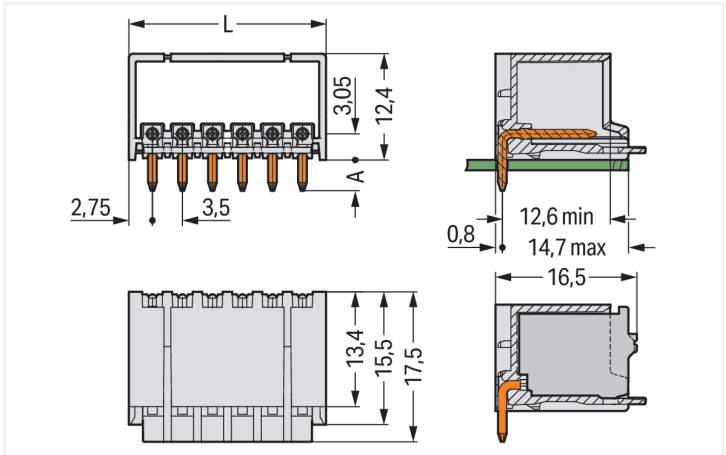


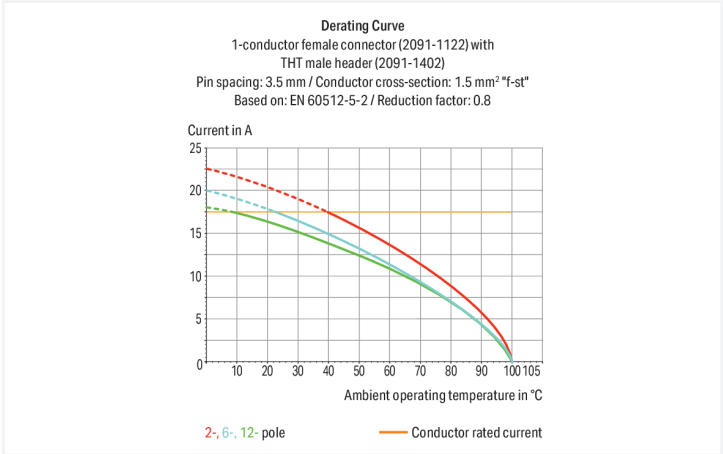


Color: ■ light gray

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 mit Rastermaß 3,5 mm

Die Stiftleiste mit der Artikelnummer 2091-1424 bietet eine saubere Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf alterprobte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie diverse Verwendungsmöglichkeiten. Die Abmessungen sind in Breite x Höhe x Tiefe (16 x 16 x 17,5) mm. Die Kontaktoberfläche besteht aus Zinn. picoMAX® ist das kompakte Steckverbindersystem mit innovativem Design. Es verwendet die Kontaktkraft einer einzigen Cr-Ni-Stahlfeder gleich zweifach – sowohl für den Anschluss des Leiters als auch für die Kontaktierung des Steckerstiftes. Die Verlötung 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		Approvals per		UL 1059	
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	160 V	160 V	320 V	Rated current	10 A	-	10 A
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	10 A	10 A				

Connection data			
Total number of potentials	4	Connection 1	
Number of connection types	1	Pole number	4
Number of levels	1		

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	16 mm / 0.63 inches
Height	16 mm / 0.63 inches
Height from the surface	12.4 mm / 0.488 inches
Depth	17.5 mm / 0.689 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	0°
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	0.036 MJ
Weight	1.6 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	4050821161097
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 2091-1424

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 2091-1424

↓

CAE data

ZUKEN Portal 2091-1424

↓

PCB Design

Symbol and Footprint via SamacSys 2091-1424

↓

Symbol and Footprint via Ultra Librarian 2091-1424

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 2091-1124

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 1,50 mm²; light gray



Item No.: 2091-1104/002-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; Gripping plate sliding connector release; 1,50 mm²; light gray



Item No.: 2091-1104/002-1000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; Gripping plate sliding connector release; direct marking; 1,50 mm²; light gray



Item No.: 2091-1104

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; Gripping plate; 1,50 mm²; light gray



Item No.: 2091-1104/000-1000

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



Item No.: 2091-1104/000-5000

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

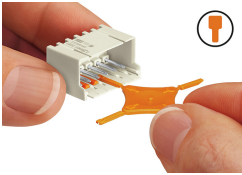


1.2 Optional Accessories
1.2.1 Coding
1.2.1.1 Coding



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).