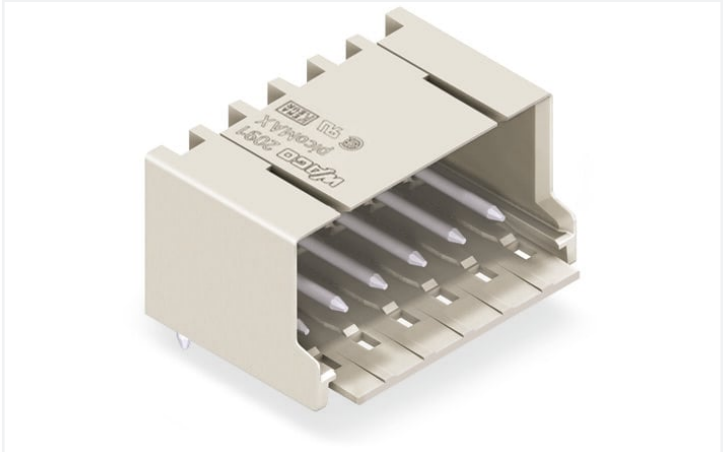
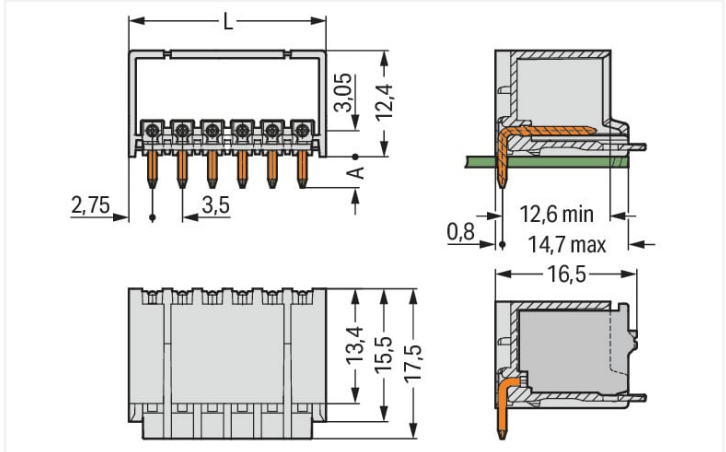


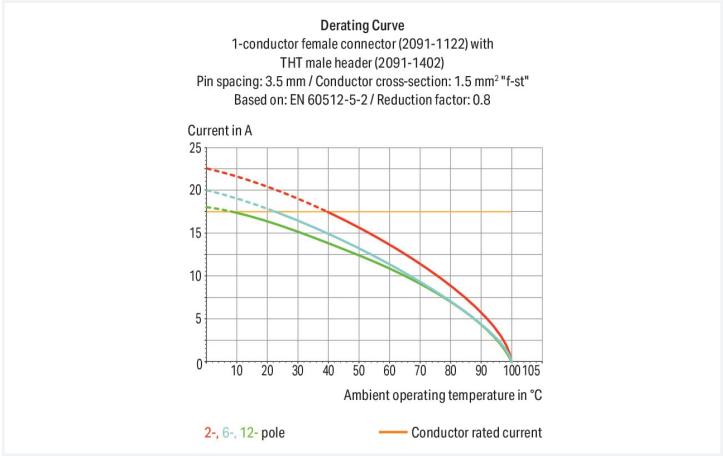


Color: ■ light gray

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



- Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header (≥ 4 poles)
- Coding pins inserted into the header interface prevent mismatching, allowing subsequent coding in panel feedthrough applications
- The female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 g

Notes

Safety information

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. The circuit design should ensure header pins, which can be touched, are not live when unmated.

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			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	3	Connection 1
Number of connection types	1	
Number of levels	1	
		Pole number 3

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	12.5 mm / 0.492 inches	
Height	14.8 mm / 0.583 inches	
Height from the surface	12.4 mm / 0.488 inches	
Depth	17.5 mm / 0.689 inches	
Solder pin length	2.4 mm	
Solder pin diameter	1 mm	
Plated through-hole diameter (THR)	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	THR	

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	
Contact material	Electrolytic copper (E _{Cu})	
Contact plating	Tin	
Fire load	0.026 MJ	
Weight	1.2 g	
MSL per J-STD 020D	1	



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)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821396222
Customs tariff number	85366930000

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 2091-1423/200-000	



Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓
		pdf 611.20 KB	↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2091-1423/200-000	ZUKEN Portal 2091-1423/200-000

PCB Design	
Symbol and Footprint via SamacSys 2091-1423/200-000	↓
Symbol and Footprint via Ultra Librarian 2091-1423/200-000	↓

1 Compatible Products
1.1 System counterpart
1.1.1 Female connector/socket



Item No.: 2091-1123
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 1,50 mm²; light gray

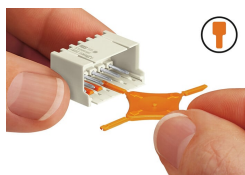
1.2 Optional Accessories
1.2.1 Coding
1.2.1.1 Coding



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).