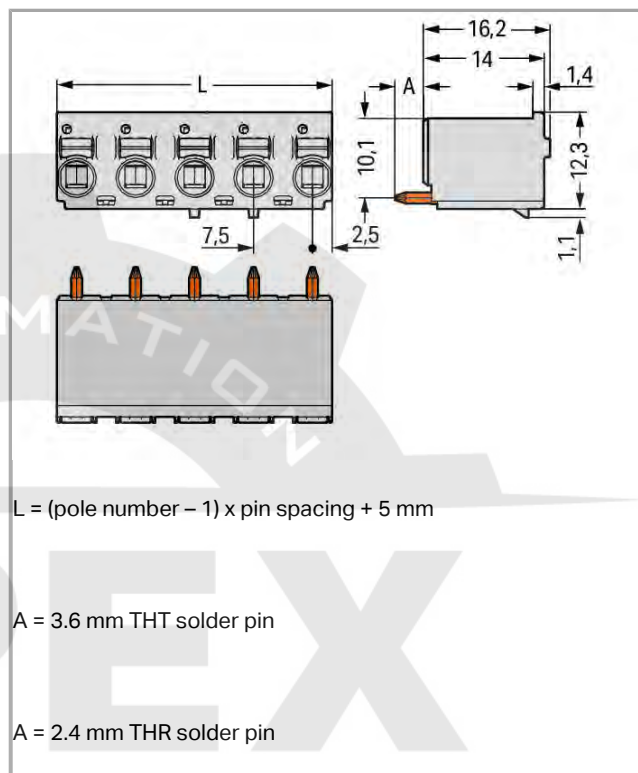


2092-3175_200-000



- Universal connection for all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require specialty tools
- Ability to wire while mated or unmated
- Integrated test ports for testing parallel to conductor entry
- Factory-installed, straight or angled solder pins allow horizontal or vertical mounting to the PCB

The **picoMAX[®] pluggable connection system** is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	16 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V

Connection data

Connection technology	Push-in CAGE CLAMP®		
Actuation type	Push-button		
Solid conductor	0.2	2.5 mm ² / 24	12 AWG
Fine-stranded conductor	0.2	2.5 mm ² / 24	12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25	1.5 mm ²	
Fine-stranded conductor with ferrule without plastic collar	0.25	2.5 mm ²	
Strip length	9	10 mm / 0.35	0.39 inch
Conductor entry angle to the PCB	90°		
Total number of connection points	5		
Total number of potentials	5		
Number of connection types	1		
Number of levels	1		
No. of poles	5		

Geometrical Data

Pin spacing	7.5 mm / 0.295 inch
Width	35 mm / 1.378 inch
Height	16.2 mm / 0.638 inch
Depth	13.4 mm / 0.528 inch
Solder pin length	2.4 mm

Solder pin diameter	1.4 mm
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Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for PCBs
Mismating protection	No
Mating direction to the PCB	90°

PCB contact

PCB contact	THR
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Material Data

Color	light gray
Material group	I
Insulating 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-plated
Fire load	0.155 MJ
Weight	7.046 g

Environmental Requirements


Limit temperature range	-60 +100 °C
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Commercial data


Country of origin	DE
GTIN	4050821396383
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49737
	KEMA/KEUR DEKRA Certification B.V.	IEC 61984	71- 102261

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49737
	KEMA/KEUR DEKRA Certification B.V.	IEC 61984	71- 102261

Compatible products

tools



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

210-719

check



Item no.: 735-500
 Test pin; 1 mm Ø; with solder connection for test wire

735-500

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE - Smart Data

CAD data

3D Download 2092-3175/200-000	URL	Download
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Product family

picoMAX eCOM

Show all products from the family



Subject to changes.
