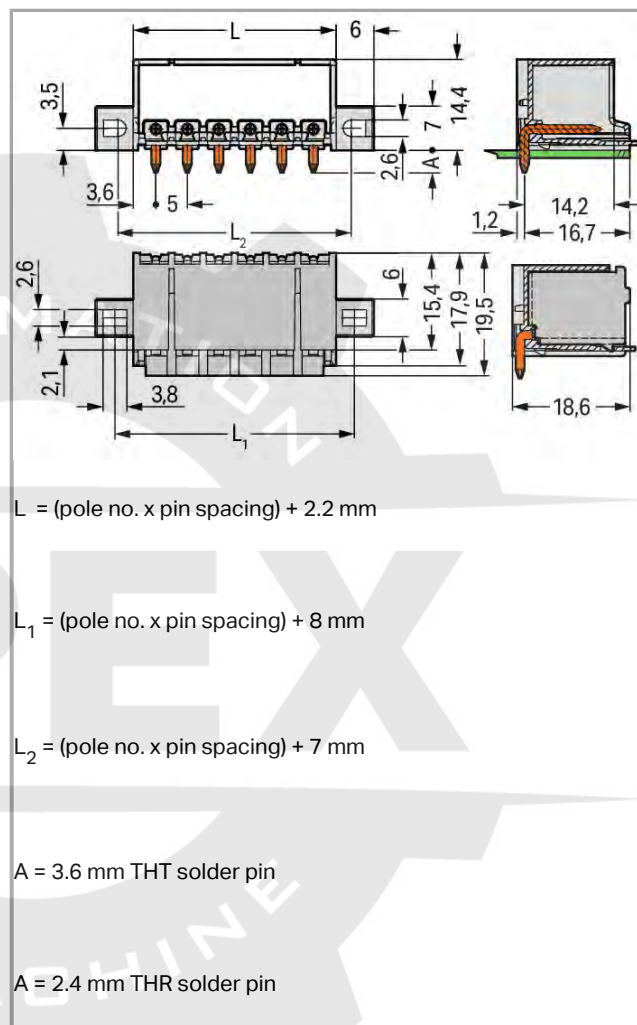


2092-1430_005-000



- Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header
- Coding pins inserted into the header interface prevent mismating, 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

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)	250 V
Rated impulse voltage (III / 3)	4 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

Total number of potentials	10
Number of connection types	1
Number of levels	1
No. of poles	10

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	64.2 mm / 2.528 inch
Height	18 mm / 0.709 inch
Height from the surface	14.4 mm / 0.567 inch
Depth	19.5 mm / 0.768 inch
Solder pin length	3.6 mm
Solder pin diameter	1.4 mm
Drilled hole diameter (tolerance)	1.6 ^(- ... +0.1) mm

Mechanical data

Mounting type	Mounting flange
Type of mounting	Feed-through mounting Panel mounting

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	No
Mating direction to the PCB	0°
Locking of plug-in connection	Male locking latch

PCB contact

PCB contact	THT
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Material Data

Color	light gray
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.12 MJ
Weight	6.29 g

Environmental Requirements

Limit temperature range	-60 +100 °C
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Commercial data

Country of origin	DE
GTIN	4050821638230
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49737
	CSA DEKRA Certification B.V.	C22.2	2362521
	KEMA/KEUR DEKRA Certification B.V.	IEC 61984	71- 102261



Country specific Approvals

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	CB DEKRA Certification B.V.	IEC 61984	NL-49737
	CSA DEKRA Certification B.V.	C22.2	2362521
	KEMA/KEUR DEKRA Certification B.V.	IEC 61984	71-102261

Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cULus Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	E45171

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cULus Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	20170428-E45171

Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf

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Product family

picoMAX

Show all products from the family



Subject to changes.
