PHŒNIX CONTACT

Flush-type connector - SACC-CI-M12MST-4CON-L180 THR - 1406396

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Flush-type connector, Power, 4-position, Plug, T power, PCB mounting, THR solder connection

Why buy this product

☑ For compact devices: transmit high power in a confined space

☑ Reduced mounting costs thanks to two-piece device connector

☑ All common pin assignments and codings available

☑ Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate

☑ Additional gasket for the device when not plugged in

☑ Packaging available for automated pick and place assembly

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	60 STK
GTIN	
GTIN	4046356804370
Weight per Piece (excluding packing)	5.667 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)

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Technical data

Ambient conditions

Degree of protection	IP67 (correctly plugged in and locked)

General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	12 A
Rated voltage	63 V
Rated surge voltage	1.5 kV
Number of positions	4
Insulation resistance	$\geq$ 100 MΩ
Coding	T power
Standards/regulations	M12 connector
Signal type/category	Power
Overvoltage category	III
Degree of pollution	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA4T
Sealing material	FKM

Cable

Standards/specifications	M12 connector

Standards and Regulations

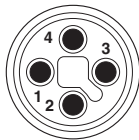| Standard designation	M12 connector
Flammability rating according to UL 94	V0

Environmental Product Compliance

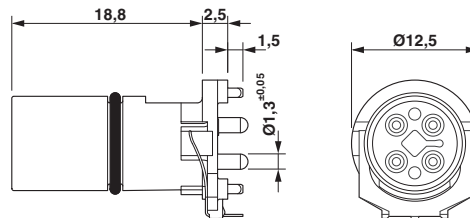| China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Flush-type connector - SACC-CI-M12MST-4CON-L180 THR - 1406396

Schematic diagram

Dimensional drawing

Connector pin assignment of M12 plug, 4-pos., T-coded, view of pin side

M12 flush-type connector

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals

Approvals

PHŒNIX CONTACT

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Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
mm²/AWG/kcmil		16	
Nominal current IN		12 A	
Nominal voltage UN		63 V	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
mm²/AWG/kcmil		16	
Nominal current IN		12 A	
Nominal voltage UN		63 V	

EAC		B.01742

cULus Listed	

Accessories

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Contact insert

Flush-type connector - SACC-CI-M12MST-4CON-L180 THR - 1406396

Accessories

Sample set - SACC-CI-M12MST-4CON-L180THR SH SP - 1420413

Sample set, Universal, 4-position, Plug, T power, PCB mounting, THR solder connection

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Panel mounting base

Housing screw connection - SACC-M12-SCO PLUG - 1551493

M12 SPEEDCON housing screw connection for M12 male inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers

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Housing screw connection - SACC-DSIV-M12-PLUG - 1416145

Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

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Housing screw connection - SACC-M12-SCO PLUG L90 - 1436709

M12-SPEEDCON housing screw connection for M12 male inserts, with flat gasket, for all Speedcon-compatible THR and wave soldering contact carriers

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Housing screw connection - SACC-BP-M-M12/M15-6-THR - 1413997

Housing screw connection, Plug, Rear mounting, M15 x 1

PHŒNIX CONTACT

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Accessories

Housing screw connection - SACC-BP-M-M12/M15-7-THR - 1413996

Housing screw connection, Plug, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-M-M12/M15-6-THR SCO - 1413999

Housing screw connection, Plug-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-M-M12/M15-7-THR SCO - 1413998

Housing screw connection, Plug-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection - SACC-M12 PLUG PRESS - 1437892

M12 pin, housing screw connection, press-in version, for all Speedcon-compatible THR and wave soldering contact carriers

Housing screw connection - SACC-DSIV-M12-PLUG-9 THR - 1417984

Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier