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Flush-type connector - SACC-CI-M12MST-4CON-L180 THR SH - 1406397

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Flush-type connector, Power, 4-position, Plug, straight, M12, 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

☑ Packaging available for automated pick and place assembly

☑ 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

RoHS

Key Commercial Data

Packing unit	60 STK
Minimum order quantity	60 STK
GTIN	4 046356 804356
GTIN	4046356804356

Technical data

Ambient conditions

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

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Technical data

General

	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	PA
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

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings
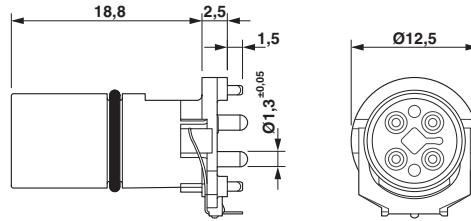

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Schematic diagram
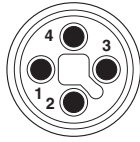
Connector pin assignment of M12 plug, 4-pos.,
T-coded, view of pin side

Dimensional drawing

M12 male connector contact carrier

Approvals

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
Nominal voltage UN		63 V	
Nominal current IN		12 A	
mm²/AWG/kcmil		16	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
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EAC		B.01742

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Approvals

cULus Listed	