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Flush-type connector - SACC-CI-M12FSL-4FE-L180 THR R - 1420829

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Flush-type connector, Power, 5-position, Socket, straight, L - 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 fastening

☑ Additional gasket for the device when not plugged in

RoHS

Key Commercial Data

Packing unit	60 STK
Minimum order quantity	60 STK
GTIN	4 055626 280547
GTIN	4055626280547

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 a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
	FE not connected to metal parts that can be touched, no protective function

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Technical data

General

Rated current at 40°C	14 A
Rated voltage	63 V
Rated surge voltage	1.5 kV
Number of positions	5
Coding	L - Power
Standards/regulations	M12 connector IEC 61076-2-111 In line with
Signal type/category	Power
Overvoltage category	III
Degree of pollution	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting
Delivery state	with assembly pad

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 IEC 61076-2-111 In line with

Standards and Regulations

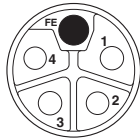| Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

Environmental Product Compliance

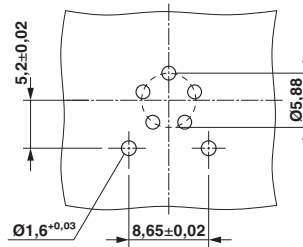| China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Flush-type connector - SACC-CI-M12FSL-4FE-L180 THR R - 1420829
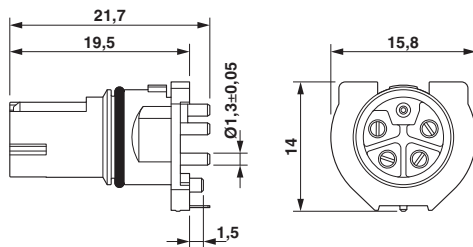
Schematic diagram

Pin assignment of M12 socket, 5-pos., L-coded, socket side view
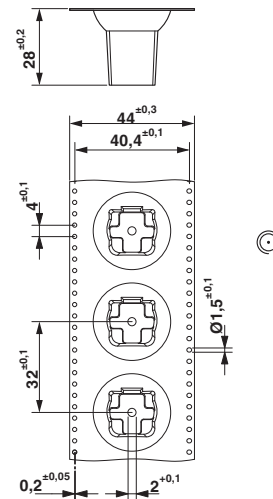
Drilling diagram

Soldering pad geometry

Dimensional drawing

M12 flush-type connector

Dimensional drawing

THR tape-on-reel packing