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Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR SH T - 1421314

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Flush-type connector, Power, 5-position, Plug, straight, L - Power, PCB mounting, THR solder connection

Your advantages

☑ 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 pc
Minimum order quantity	60 pc
GTIN	4 055626 280639
GTIN	4055626280639

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.

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Technical data

General

	FE not connected to metal parts that can be touched, no protective function
Rated current at 40°C	16 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
Type of packaging	Tray
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

Standards/specifications	M12 connector IEC 61076-2-111 In line with
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

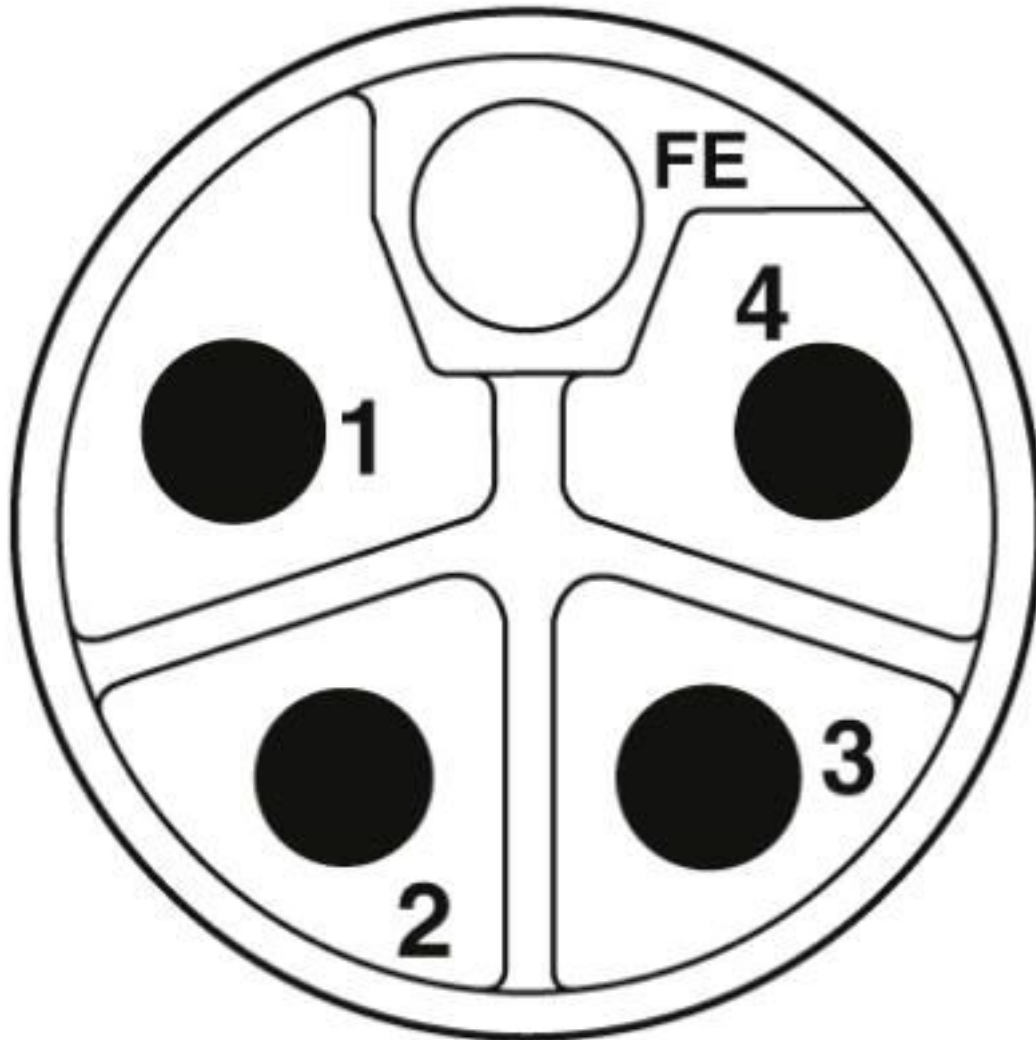# Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR SH T - 1421314

Dimensional drawing

155

24

A

24

31

250

A
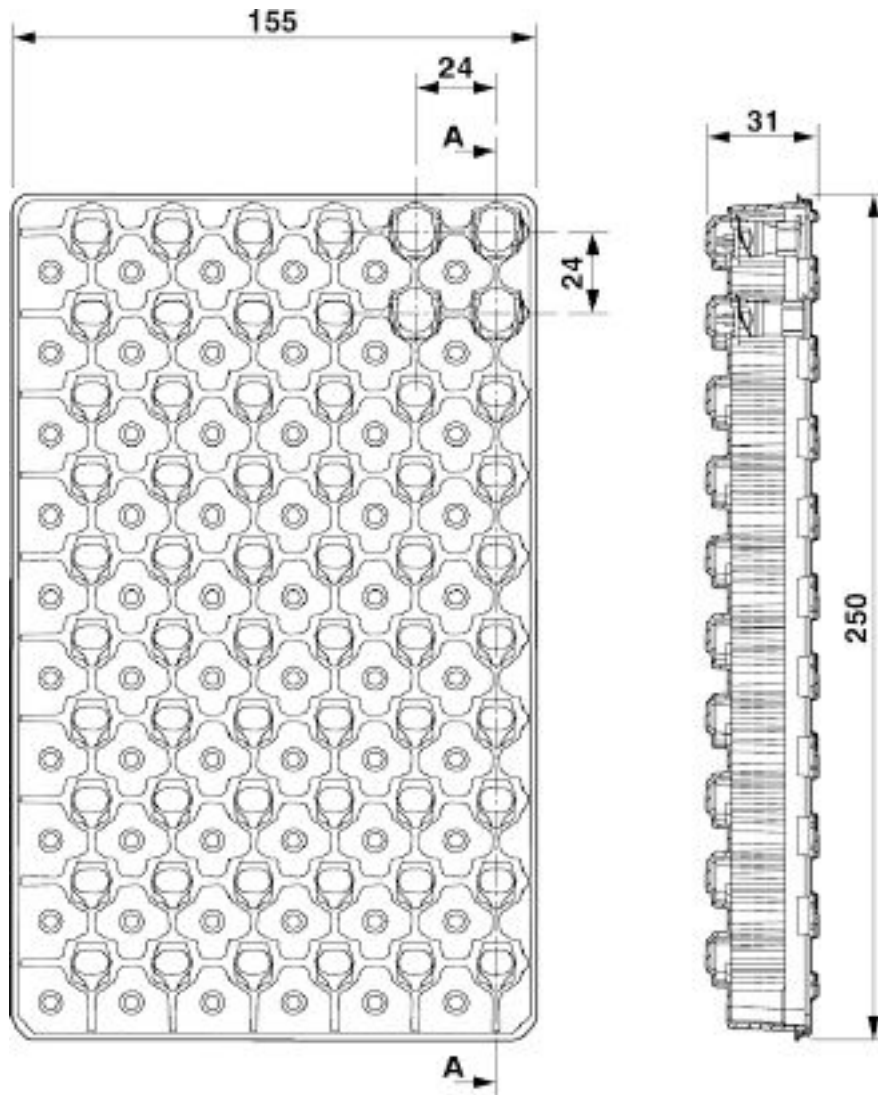
THR tray packaging

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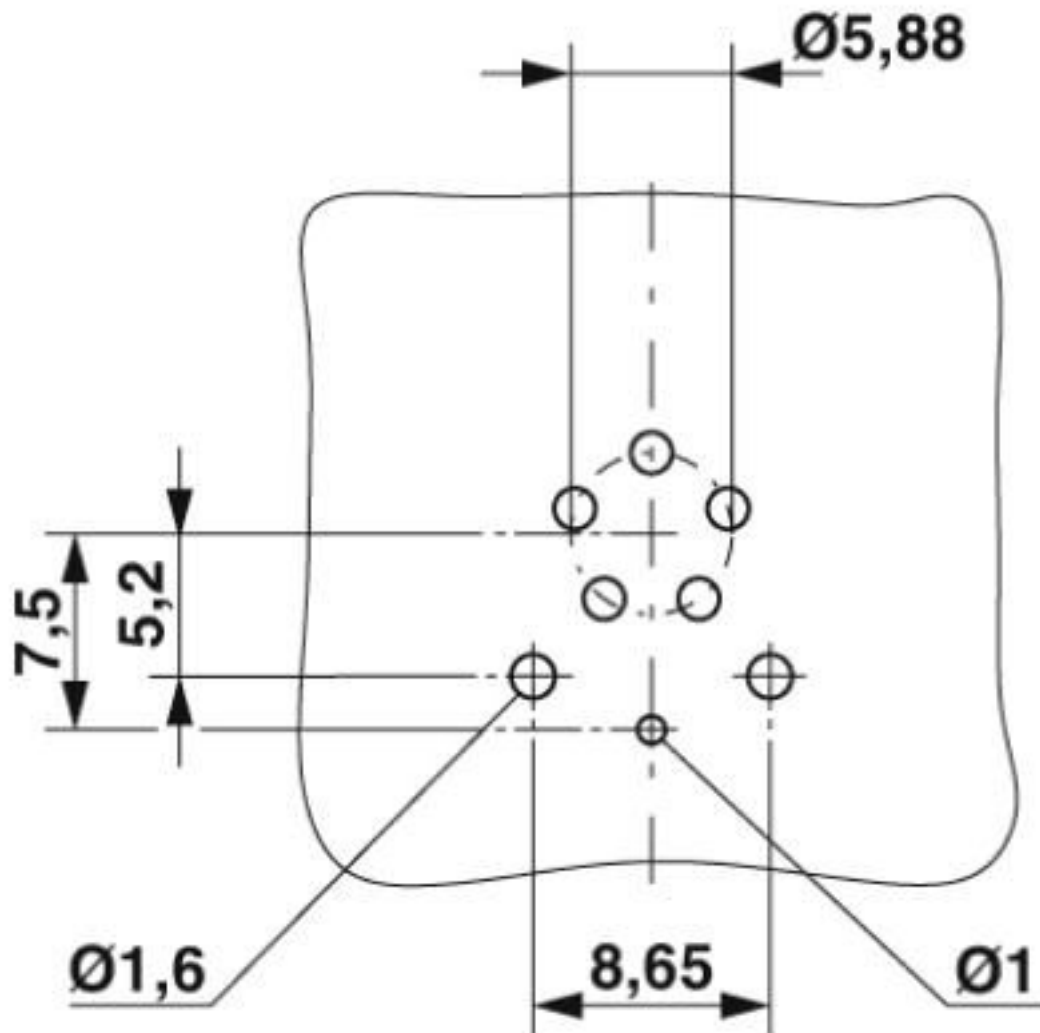
Schematic diagram

Pin assignment of M12 connector, 5-pos., L-coded, pin side view

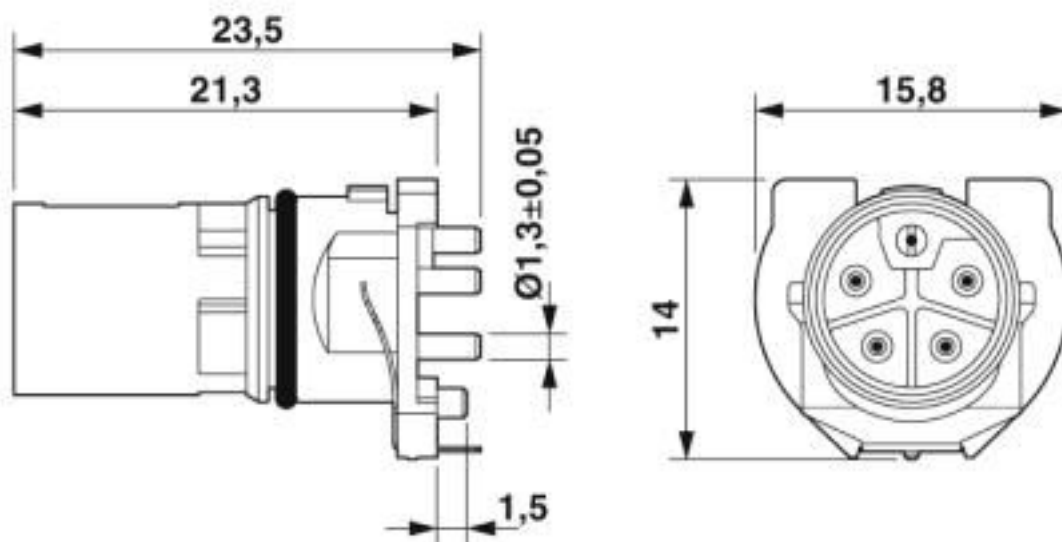# Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR SH T - 1421314

Drilling diagram

Ø5,88

Ø1,6

Ø1

7,5

5,2

8,65

Soldering pad geometry

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Dimensional drawing

M12 flush-type connector

Classifications

eCl@ss

eCl@ss 10.0.1	27440109
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	27440103

ETIM

ETIM 6.0	EC002061

Approvals

Approvals

Approvals

cULus Recognized / EAC

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Approvals

Ex Approvals

Approval details

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743-20180113
Nominal voltage UN		63 V	
Nominal current IN		16 A	

EAC		B.01687

Accessories

Accessories

Contact insert

Sample set - SACCCIM12MSL4FEL180THRSHSAMPLE - 1423413

Sample set, Power, 5-position, Plug, straight, L - Power, PCB mounting, THR solder connection

Panel mounting base

Housing screw connection - SACC-FP-M-M12/M14 THR PW - 1420824

Housing screw connection with M12 standard thread, with O-ring, for 2-piece K, L, and M-coded THR contact carriers

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Accessories

Housing screw connection - SACC-BP-M-M12/M15-6-THR PW - 1420826

Housing screw connection with M12 standard thread, with O-ring, for 2-piece K, L, and M-coded THR contact carriers

Housing screw connection - SACC-FP-M-M12-THR PW PP - 1108115

Housing screw connection with M12 standard thread, push-pull, with O-ring, for 2-piece K-, L-, and M-coded THR contact carriers

Housing screw connection - SACC-BP-M-M12-THR PW PP - 1108101

Housing screw connection with M12 standard thread, push-pull, with O-ring, for 2-piece K-, L-, and M-coded THR contact carriers