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Flush-type connector - SACC-CI-M12FSS-4CON-L180 TOR PE - 1418344

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Flush-type connector, Universal, 4-position, Socket, straight, S 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 attachment, press-in contour or direct integration in the front plate

RoHS

Key Commercial Data

Packing unit	60 pc
Minimum order quantity	60 pc
GTIN	4 055626 170695
GTIN	4055626170695

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

Rated current at 40°C	12 A
Rated voltage	630 V
Rated surge voltage	6 kV
Number of positions	4
Insulation resistance	$\geq$ 100 MΩ
Coding	S power
Standards/regulations	M12 connector
Signal type/category	Universal
Overvoltage category	III
Degree of pollution	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting
Type of packaging	Belt

Material

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

Cable

Standards/specifications	M12 connector

Standards and Regulations

Standards/specifications	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 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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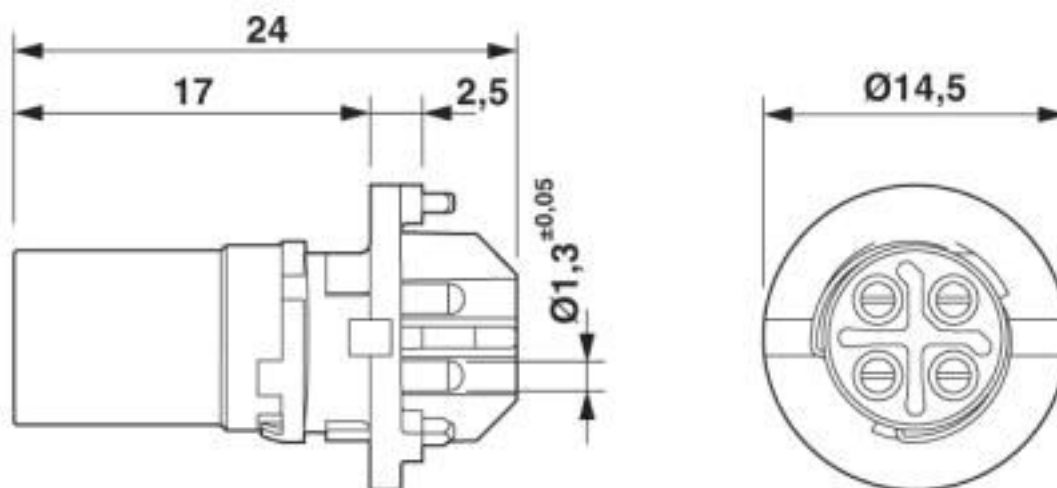# Flush-type connector - SACC-CI-M12FSS-4CON-L180 TOR PE - 1418344

Schematic diagram
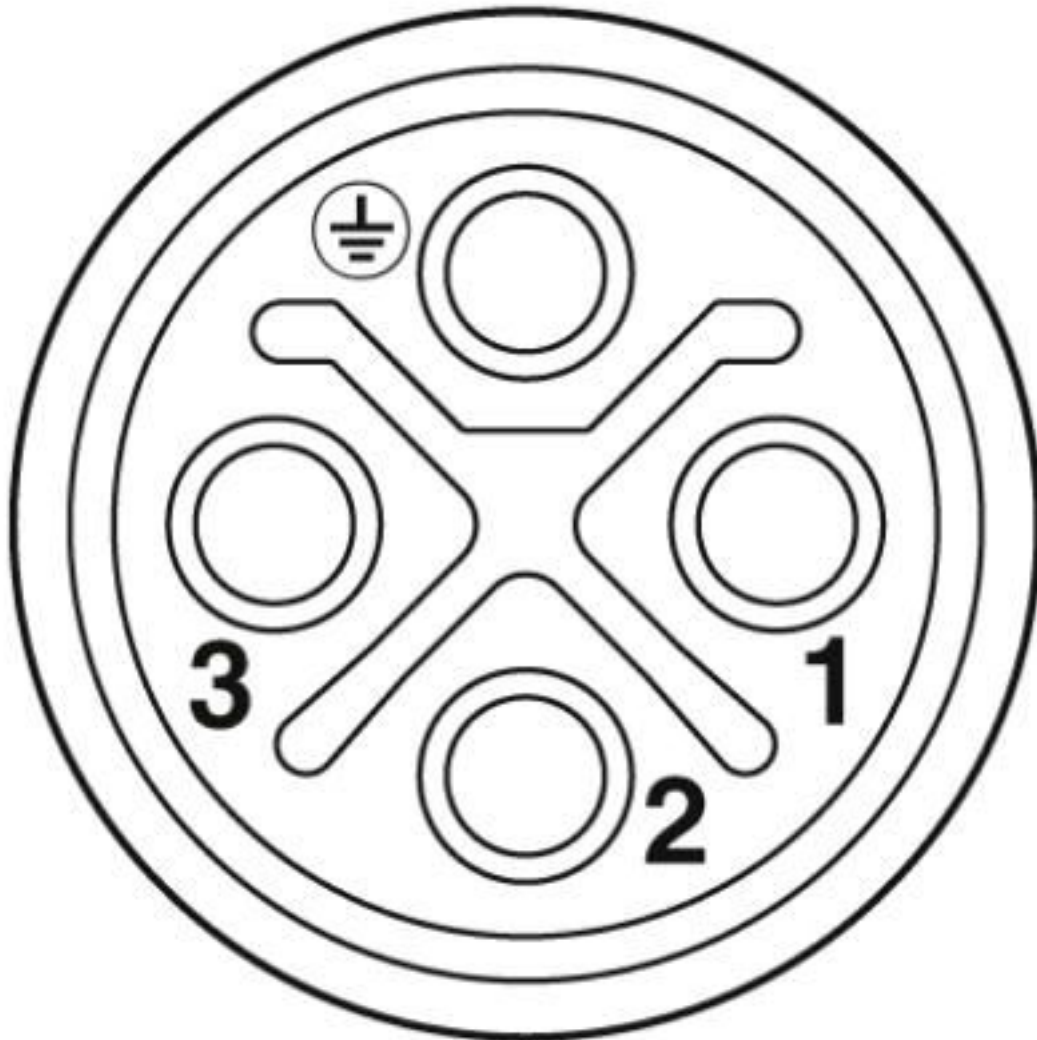
Pin assignment of M12 socket, 4-pos., S-coded, socket side view

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Dimensional drawing

M12 flush-type connector

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

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Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC		B.01687

cULus Recognized		

Accessories

Accessories

Panel mounting base

Housing screw connection - SACC-M12-SCO NUT - 1552243

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

Housing screw connection - SACC-DSIV-M12-NUT - 1416144

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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Accessories

Housing screw connection - SACC-DSIV-M12-NUT-9 THR - 1417989

M12 female connector, front mounting THR with M14 screw fastening

Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460

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

Housing screw connection - SACC-BP-F-M12/M15-6-THR - 1414004

Housing screw connection, Socket, M12, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-F-M12/M15-7-THR - 1414003

Housing screw connection, Socket, M12, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-F-M12/M15-6-THR SCO - 1414020

Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1

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Accessories

Housing screw connection - SACC-BP-F-M12/M15-7-THR SCO - 1414005

Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection - SACC-M12 NUT PRESS - 1437889

Housing screw connection for two-piece M12 connectors for the reflow soldering process.

Mouser Electronics

Authorized Distributor

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