

## Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR P - 1406410

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Flush-type connector, Universal, 4-position, Plug, 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
- ✓ 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

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	 4 046356 804332
GTIN	4046356804332
Weight per Piece (excluding packing)	5.000 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)
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### 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	630 V
Rated surge voltage	6 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	S power
Standards/regulations	M12 connector IEC 61076-2-111 In line with
Signal type/category	Universal
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 IEC 61076-2-111 In line with
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### Standards and Regulations

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

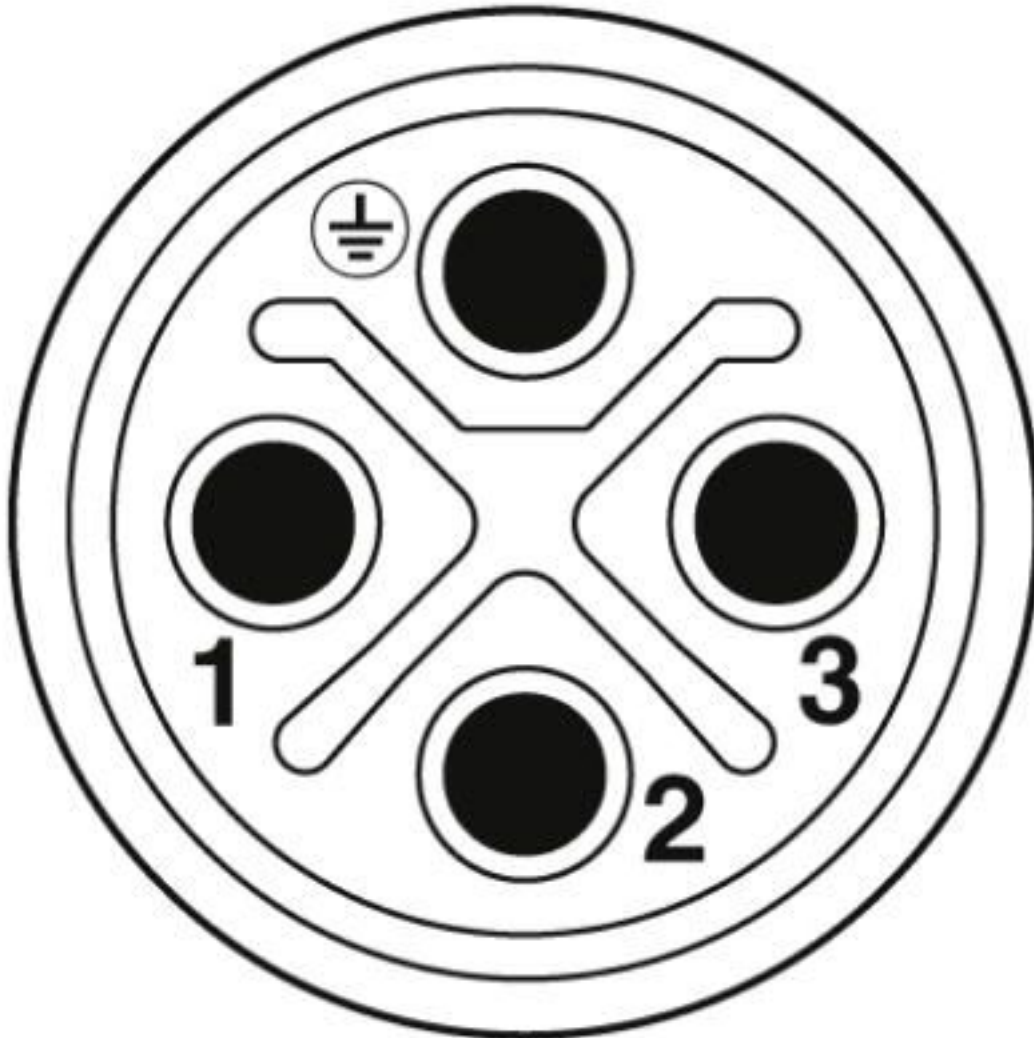
### Environmental Product Compliance

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"

# Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR P - 1406410

## Drawings

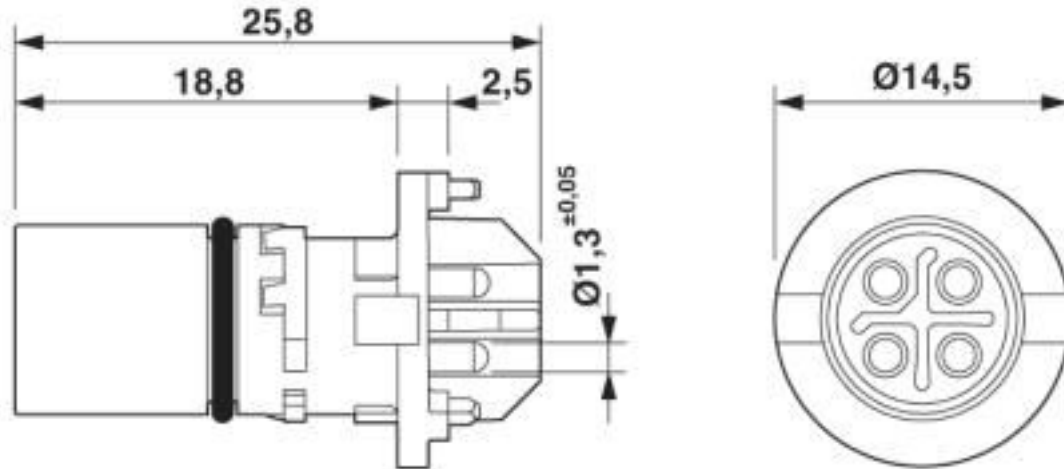
Schematic diagram



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

# Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR P - 1406410

Dimensional drawing



M12 flush-type connector

## Classifications

### eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
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

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## Classifications

### UNSPSC

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

## Approvals

### Approvals


Approvals


EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

### Approval details

EAC		B.01687
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E468743-20190917
Nominal voltage UN	600 V		
Nominal current IN	12 A		
mm <sup>2</sup> /AWG/kcmil	16		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E468743-20190917
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## Approvals

cULus Recognized



## Accessories

Accessories

Contact insert

Sample set - SACC-CI-M12MSS-4CON-L180THR PE SP - 1420412



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

## 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

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

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

## Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR P - 1406410

### Accessories

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



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

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



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

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



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-BP-M-M12/M15-7-THR SCO - 1413998



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

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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

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## Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR P - 1406410

### Accessories

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



M12 pin, front mounting THR with M14 screw fastening

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Housing screw connection - SACC-BP-M-M12-THR PP - 1027661



Housing screw connection, Plug, M12-Push-Pull, Rear mounting, THR- und Wellenlötkontakte

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Housing screw connection - SACC-FP-M-M12-THR PP - 1027679



Housing screw connection, Plug, M12-Push-Pull, Front mounting, THR- und Wellenlötkontakte

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