

# Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR SH - 1425597

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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



## Key Commercial Data

Packing unit	1 pc
Minimum order quantity	60 pc
GTIN	 4 055626 427270
GTIN	4055626427270
Weight per Piece (excluding packing)	5.300 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)
	-25 °C ... 105 °C

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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.
	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
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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

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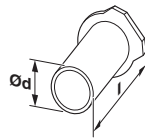
## Technical data

### Environmental Product Compliance

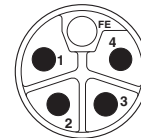
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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## Drawings

Dimensional drawing



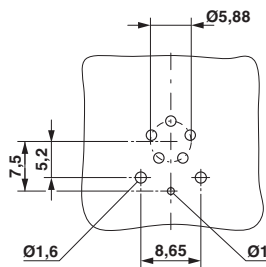
Schematic diagram



Technical drawings can be found under Downloads

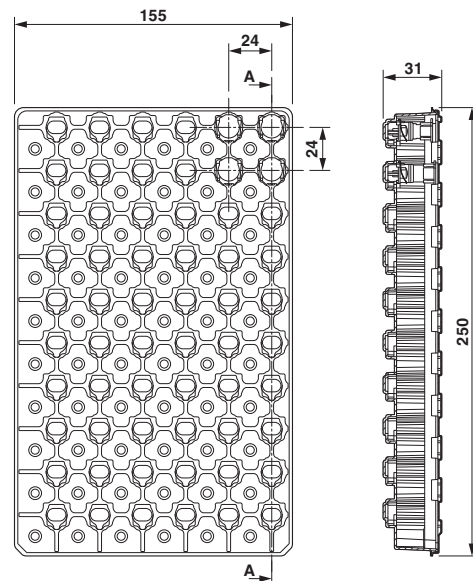
Pin assignment of M12 connector, 5-pos., L-coded, pin side view

Drilling diagram



Soldering pad geometry

Dimensional drawing



THR tray packaging

## Classifications

eCl@ss

eCl@ss 10.0.1	27440109
eCl@ss 11.0	27440109
eCl@ss 4.0	27140815

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## Classifications

### eCl@ss

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
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## Approvals


### Approvals


#### Approvals

cULus Recognized / EAC

#### Ex Approvals

### Approval details

cULus 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>	E468743-20180113
Nominal voltage UN	63 V		
Nominal current IN	16 A		

EAC		B.01687
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## Accessories

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Panel mounting base

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### Accessories

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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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

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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

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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

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