

# Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR T - 1420817

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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	60 pc
Minimum order quantity	60 pc
GTIN	 4 055626 280615
GTIN	4055626280615

## 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	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

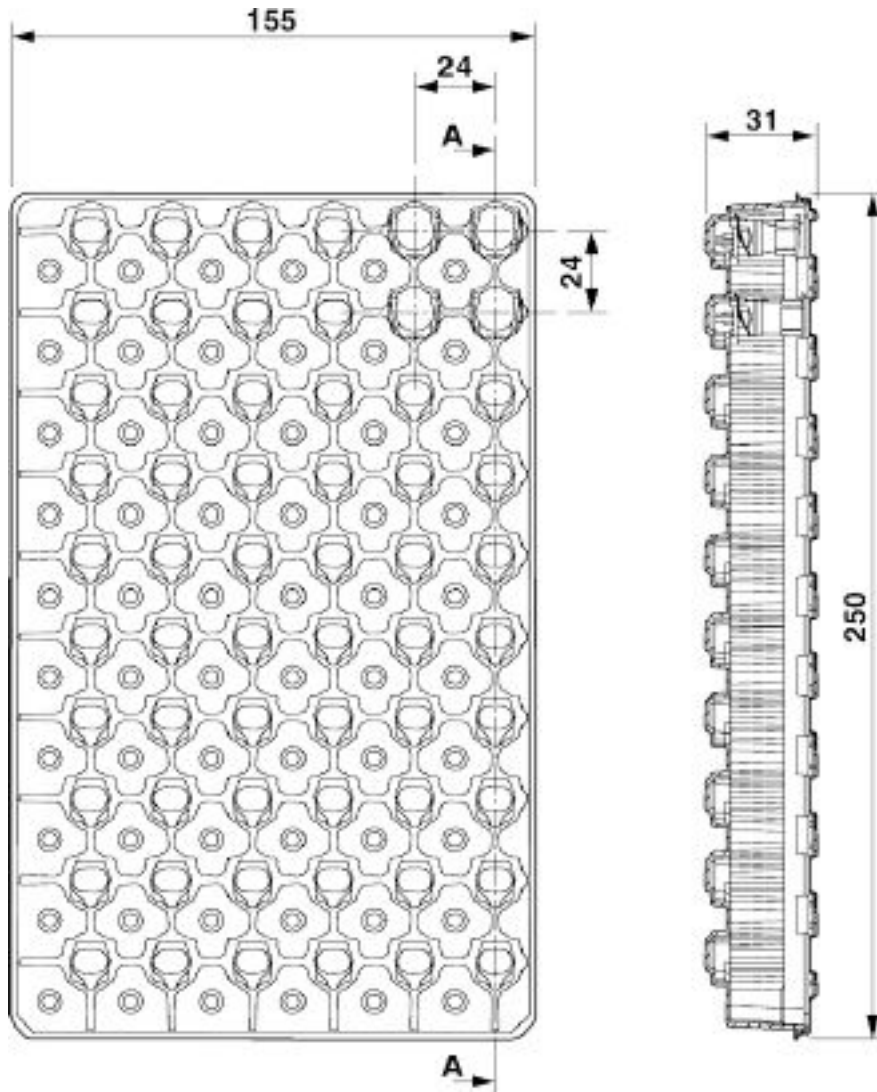
### Environmental Product Compliance

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

## Drawings

# Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR T - 1420817

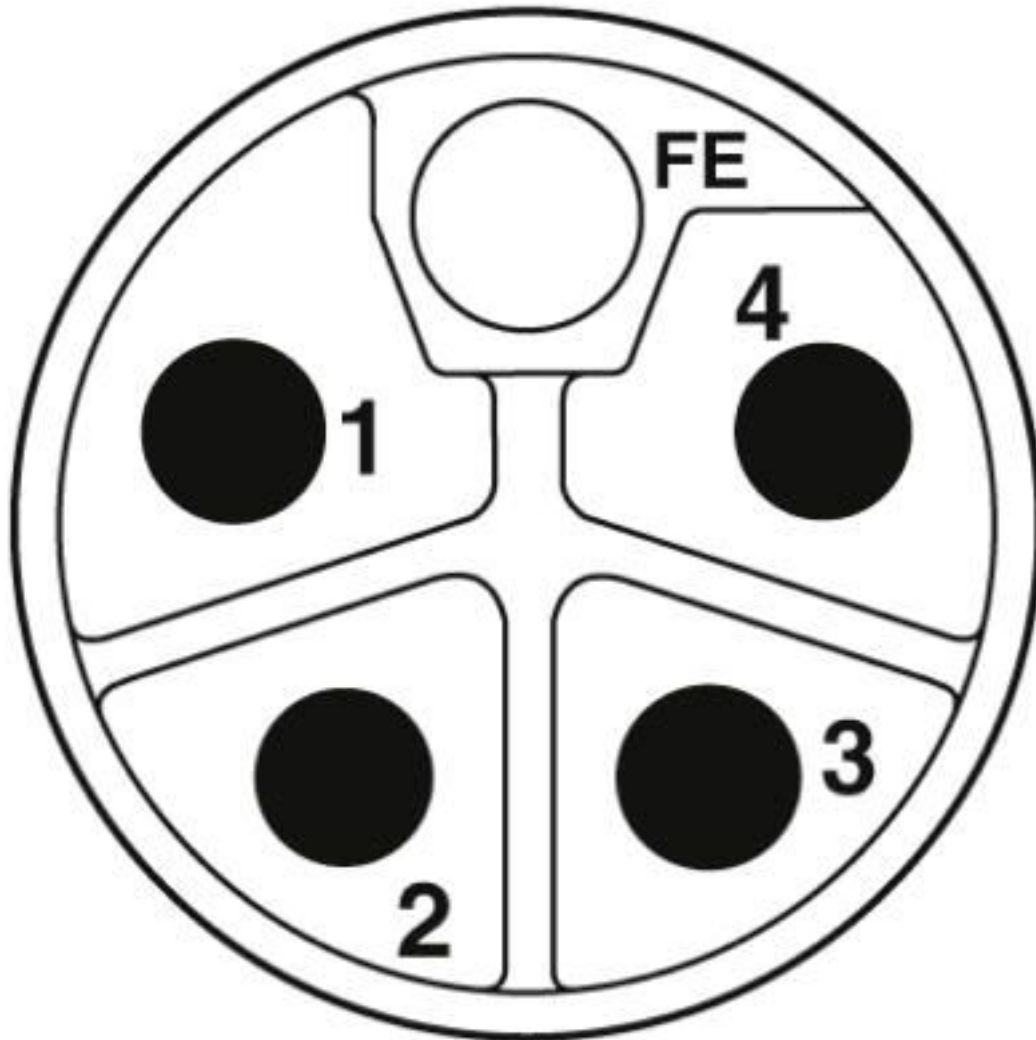
Dimensional drawing



THR tray packaging

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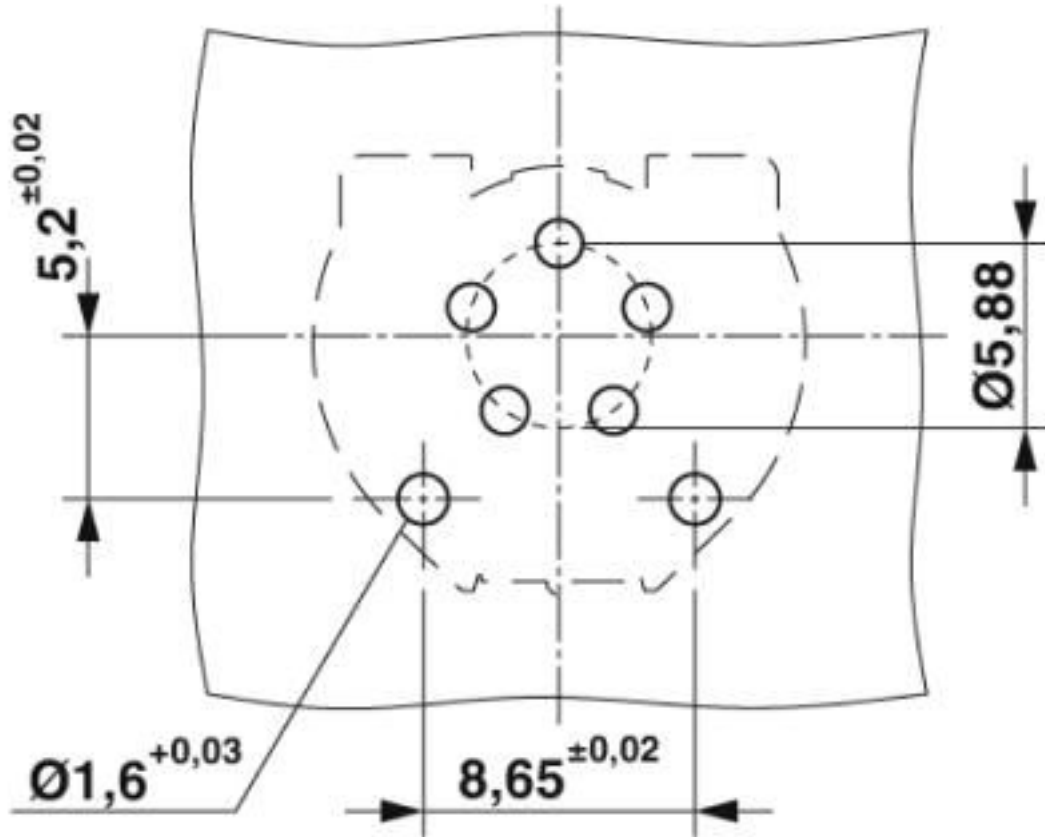
Schematic diagram



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

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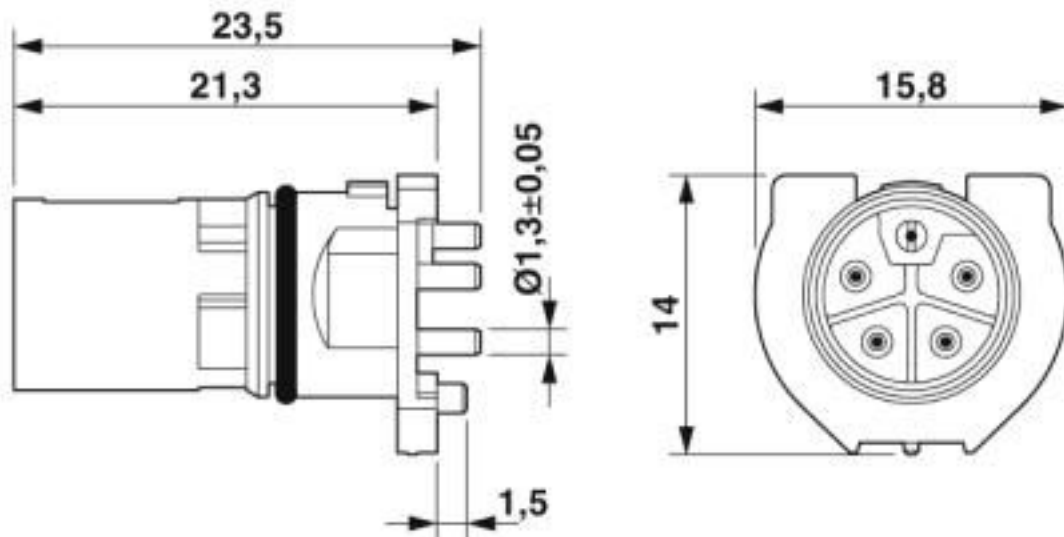
Drilling diagram



Soldering pad geometry

# Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR T - 1420817

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	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440103

ETIM

ETIM 6.0	EC002061
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## Approvals

Approvals

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Approvals

cULus Recognized / EAC

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Ex Approvals

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# Flush-type connector - SACC-CI-M12MSL-4FE-L180 THR T - 1420817

## 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

### 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

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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### Accessories

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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