Flush-type connector - SACC-CI-M12FSL-4FE-L180 THR T - 1420818

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Flush-type connector, Power, 5-position, Socket, 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	1 pc
Minimum order quantity	60 pc
GTIN	4 055626 280622
GTIN	4055626280622
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)
Degree of protection	IP67 (correctly plugged in and locked)

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Technical data

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	14 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

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

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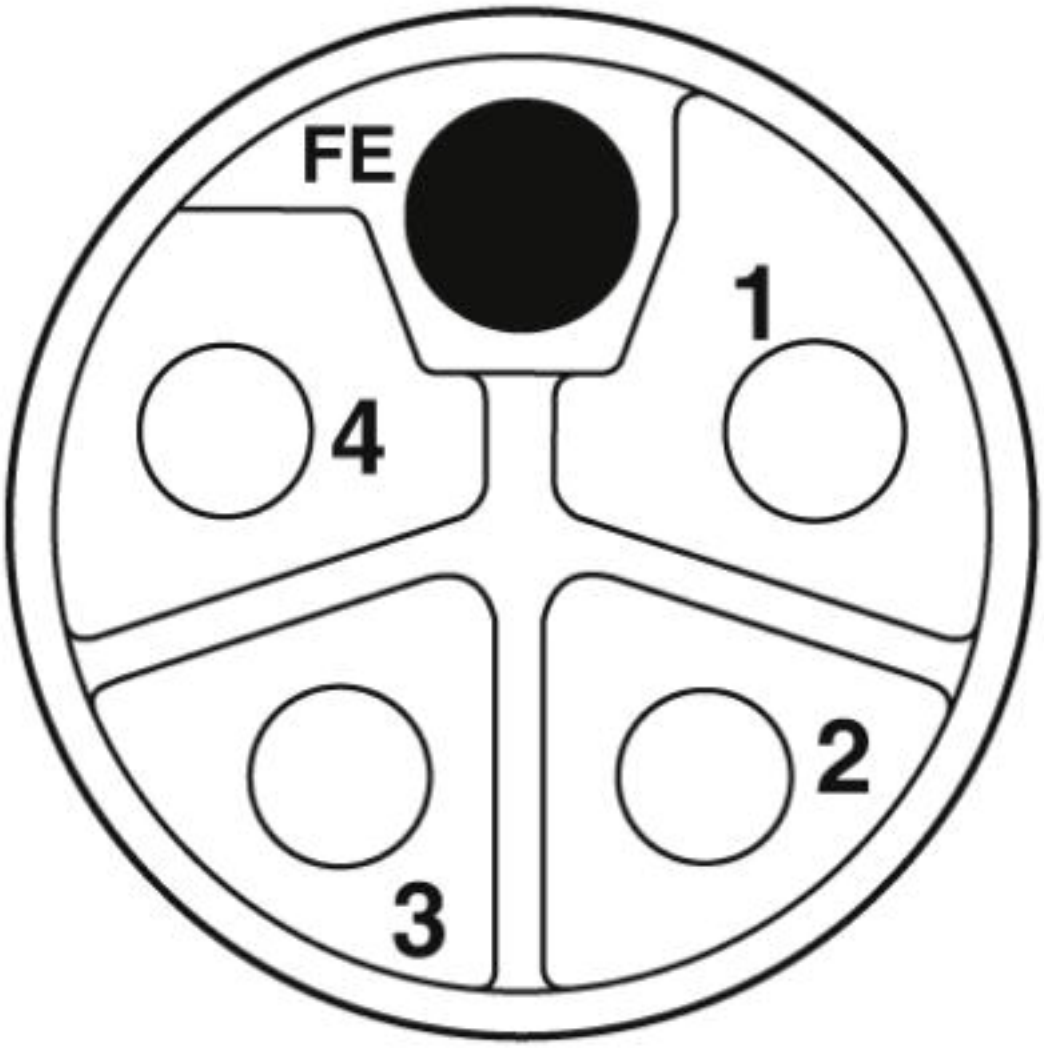
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

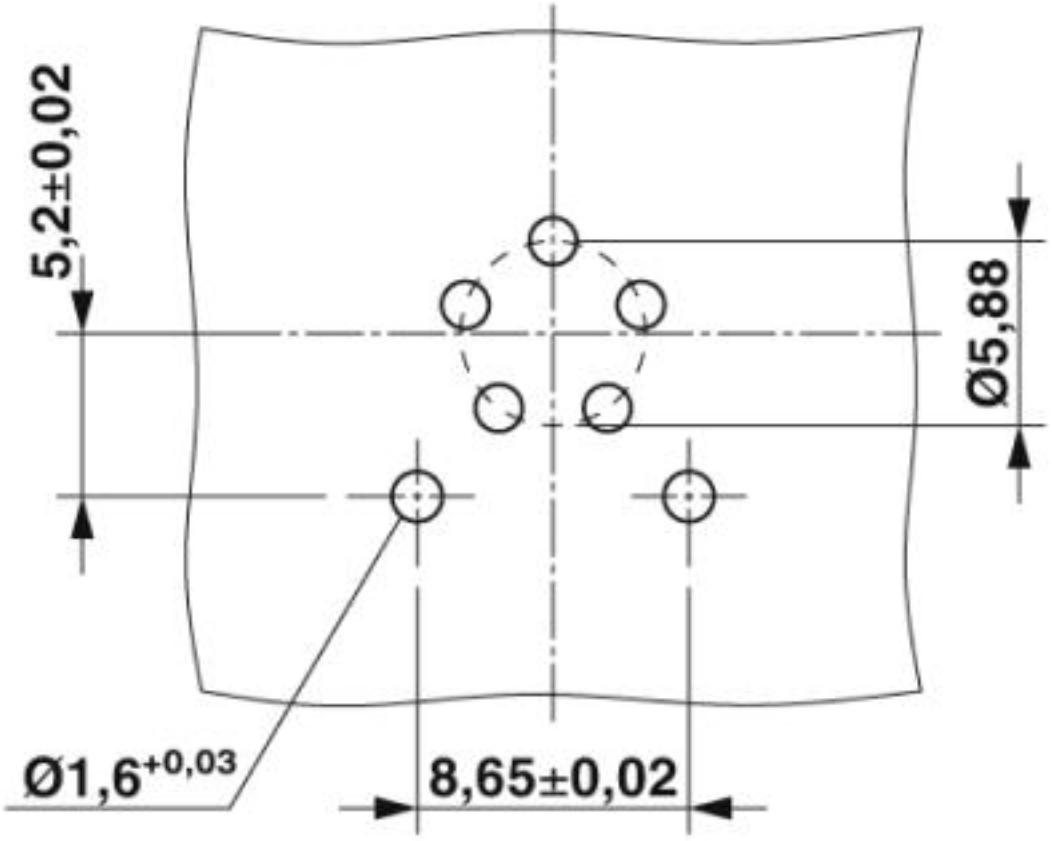
Schematic diagram



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

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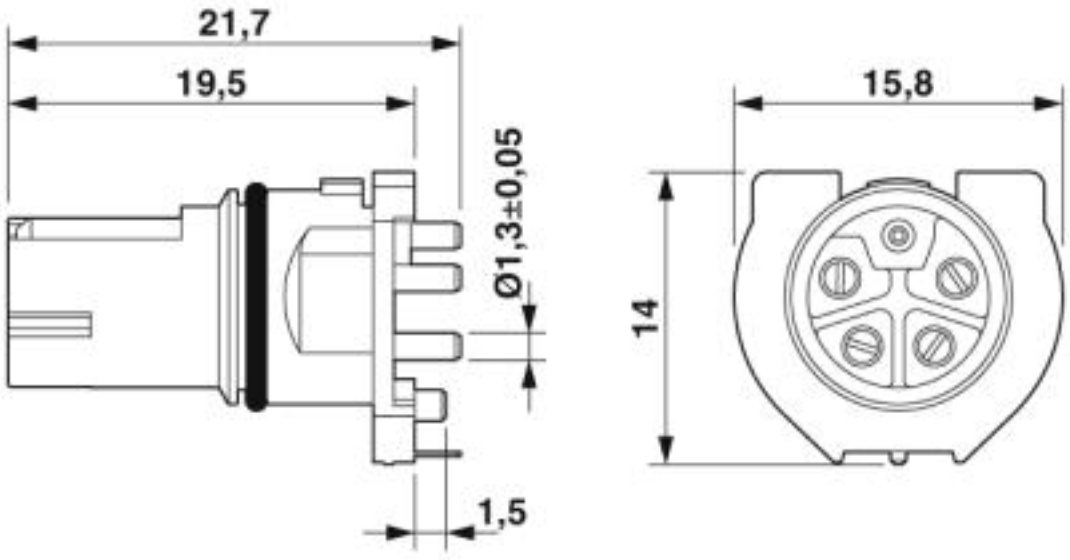
Drilling diagram



Soldering pad geometry

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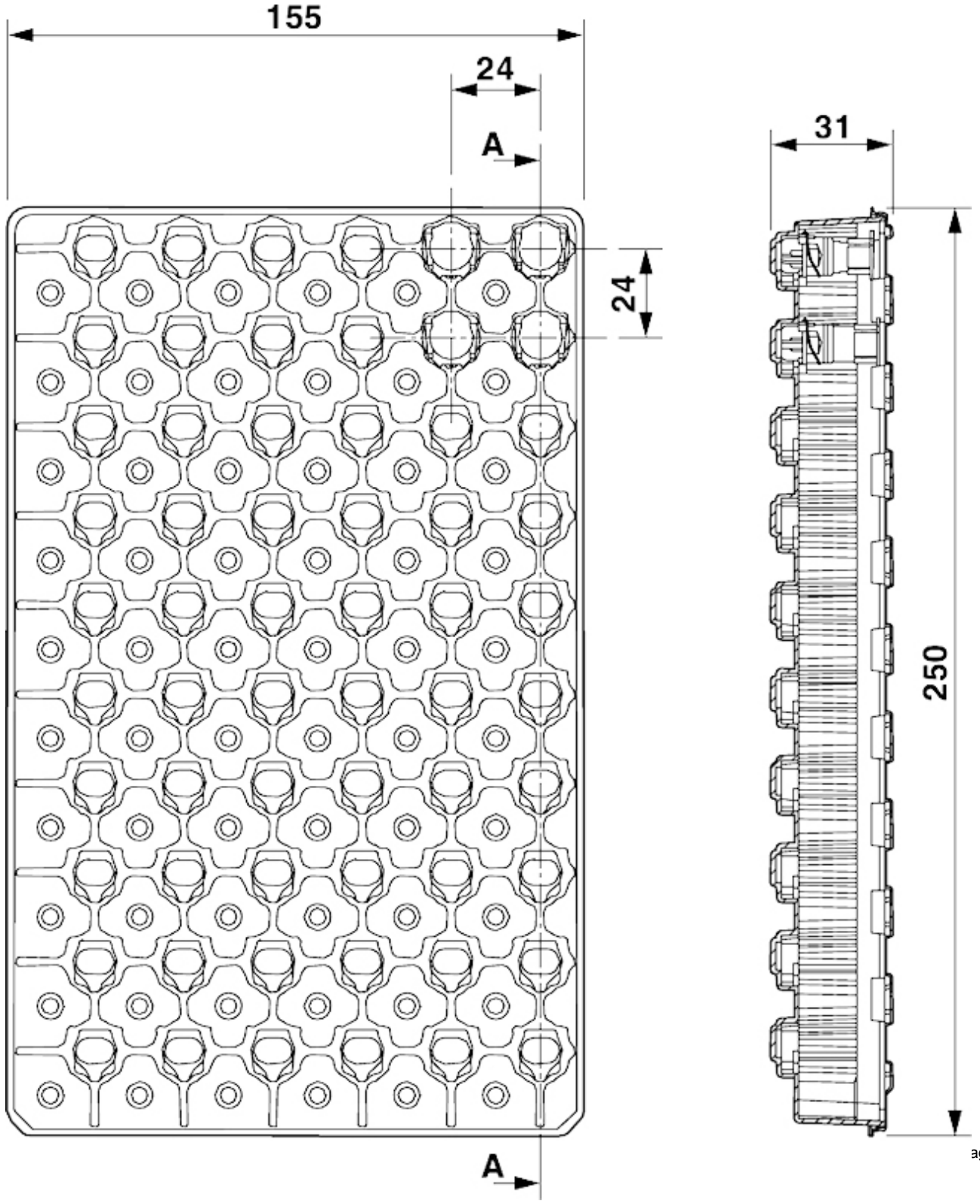
Dimensional drawing



M12 flush-type connector

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Dimensional drawing



THR tray packaging

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Classifications

eCl@ss

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

Approvals

Approvals

Approvals

cULus Recognized

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

Accessories

Accessories

Contact insert

Sample set - SACCCIM12FSL4FEL180THRSHSAMPLE - 1423414

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

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Accessories

Panel mounting base

Housing screw connection - SACC-FP-F-M12/M14 THR PW - 1420825



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-F-M12/M15-6-THR PW - 1420827



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-F-M12/M14 THR PW - 1420825



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-F-M12/M15-6-THR PW - 1420827



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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