SACC-CI-M12FSL-4FE-L180 THR T - Contact carrier

1420818

https://www.phoenixcontact.com/us/products/1420818

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Contact carrier, Power, 5-position, Socket, straight, M12, coding: L, 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

Commercial data

Item number	1420818
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGW
GTIN	4055626280622
Weight per piece (including packing)	5.01 g
Weight per piece (excluding packing)	5.01 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Notes on operation	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.
Notes on operation	FE not connected to metal parts that can be touched, no protective function

Product properties

Product type	Contact insert
Application	Power
Sensor type	Power
Number of positions	5
Seal present	yes
Coding	L
Thread type	M12

Data management status

Article revision	03

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage U_N	63 V
Nominal current I_N	16 A

Connection data

Connection method	THR solder connection

Interfaces

Signal type/category	Power

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 4T

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	L

Cable/line

Signal type/category	Power

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67 (correctly plugged in and locked)
	IP67, when plugged in
Ambient temperature (operation)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)

Standards and regulations

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-111
Note	In line with

Mounting

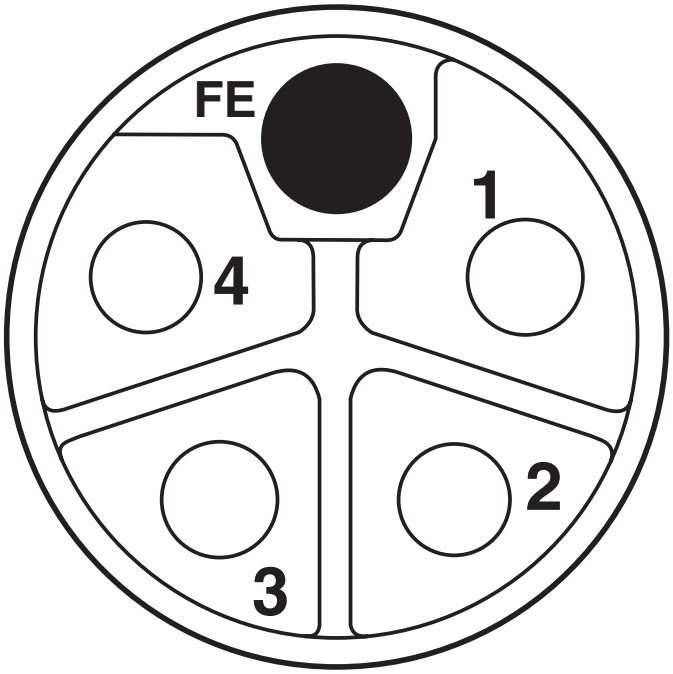
Mounting type	PCB mounting

Packaging specifications

Type of packaging	Tray
Delivery state	with assembly pad

Drawings

Schematic diagram



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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1420818

cULus Recognized
Approval ID: E468743-20180113

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	63 V	16 A	-	-

Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

ETIM 9.0	EC003569

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Accessories

SACCCIM12FSL4FEL180THRSHSAMPLE - Sample set

1423414

https://www.phoenixcontact.com/us/products/1423414

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

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

1420825

https://www.phoenixcontact.com/us/products/1420825



Housing screw connection, Pin, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239325

SACC-CI-M12FSL-4FE-L180 THR T - Contact carrier

1420818

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

1420827

https://www.phoenixcontact.com/us/products/1420827



Housing screw connection, Pin, M12, Rear mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239327

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