SACC-CI-M12MSL-4CON-L180 THR R - Contact carrier

1425605

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Contact carrier, Power, 4-position, Pin, 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	1425605
Packing unit	60 pc
Minimum order quantity	60 pc
Note	Made to order (non-returnable)
Sales key	AB23
Product key	ABQAGR
GTIN	4055626428413
Weight per piece (including packing)	9.933 g
Weight per piece (excluding packing)	2.918 g
Customs tariff number	85366990
Country of origin	DE

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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.

Product properties

Product type	Contact insert
Application	Power
Sensor type	Power
Number of positions	4
Seal present	yes
Shielded	no
Coding	L
Thread type	M12

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	Pin

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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) (male connector/female connector)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-111

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

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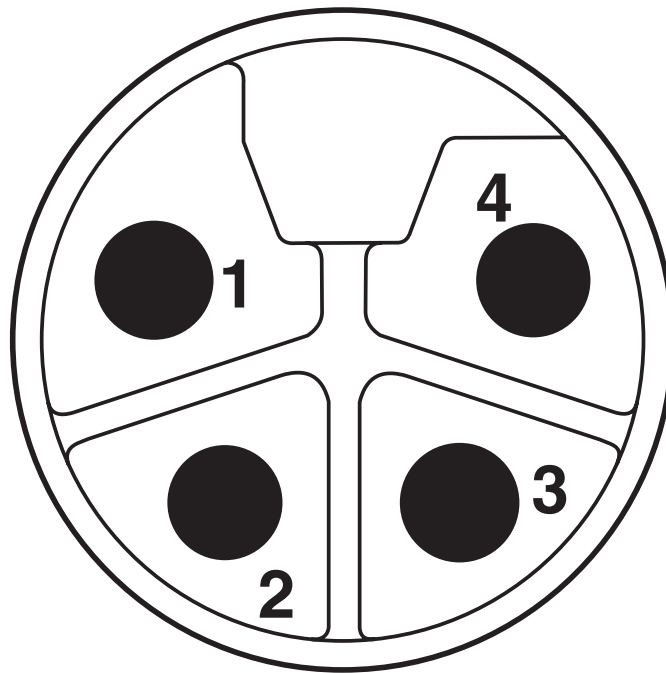
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Drawings

Schematic diagram

Pin assignment of M12 connector, 4-pos., L-coded, pin side view

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Approvals

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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	-	-

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Classifications

ECLASS

ECLASS-13.0	27440110

ETIM

ETIM 9.0	EC003568

UNSPSC

UNSPSC 21.0	39121400

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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%