SACC-DSI-M12MSL4FEM16XL-L180GR - Device connector rear mounting

1425590

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Device connector rear mounting, Power, 5-position, Pin, straight, M12, L-coding, Wave soldering, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- For compact devices: transmit high power in a confined space
- Easy-to-install, optimized XL housing contour with wrench size 19
- Mechanical tightening limitation for long-term-stable gasket

Commercial data

Item number	1425590
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEGN
GTIN	4055626428437
Weight per piece (including packing)	18.59 g
Weight per piece (excluding packing)	17.233 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
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting (M16 x 1.5, with flat nut)

Product properties

Product type	Circular connectors (device side)
Application	Power
Number of positions	5
Connection profile	4+FE
No. of power contacts	4
Shielded	no
Coding	L
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Contact carrier	PA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0
Contact carrier color	gray

Electrical properties

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

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Pin

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Interfaces

Signal type/category	Power

Connector

Connection 1

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

Environmental and real-life conditions

Ambient conditions

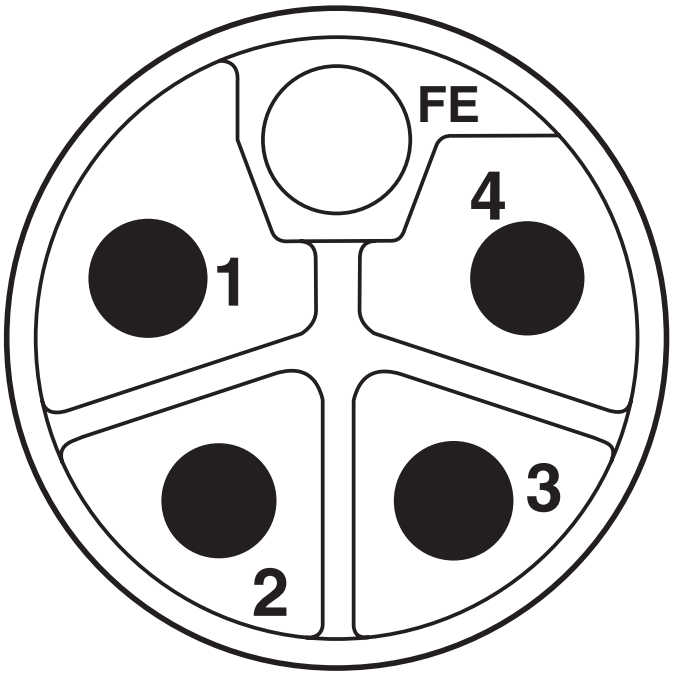
Degree of protection	IP65 (When plugged in)
	IP67 (When plugged in)
	IP65/IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
	-40 °C ... 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

Drawings

Schematic diagram



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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1425590

cULus Recognized
Approval ID: E468743-20180113

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

Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	87e833aa-5e97-4dc3-9579-8c24b53cb9ce

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