PHŒNIX CONTACT

Flush-type connector - SACC-E-M12MSL4FEM16XL/0,2GR-1, - 1425627

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Flush-type connector, Power, 5-position, Plug, M12, L - Power, Front mounting, M16 x 1.5, Individual wires, cable length: 0.2 m

Your advantages

☑ 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

☑ Pre-assembled with litz wires for immediate use

☑ Customer-specific assemblies and litz wire lengths available

☑ Sealed on the litz wire side for optimum leak-tightness

☑ For high transmission safety: shield connection to the housing with optional EMC nut

RoHS   **PROFINET®**

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 425764
GTIN	4055626425764
Weight per Piece (excluding packing)	31.000 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of cable	0.2 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

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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	12 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
Status display	No
Overvoltage category	III
Degree of pollution	3
Test voltage	1.5 kV
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	0.8 Nm ... 1.3 Nm (Installation-side)
Mounting type	Front mounting M16 x 1.5 With flat nut
Assembly instructions	Tightening limitation

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM
Additional material specifications	PU 2K (Grout material)
Color	gray

Cable

Cable type	UL/cUL stranded hook-up wire
Conductor cross section	1.31 mm²
AWG signal line	16
Core diameter including insulation	2 mm
Wire colors	brown 1, white 2, blue 3, black 4, gray FE
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Test voltage Core/Core	3 kV

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Technical data

Cable

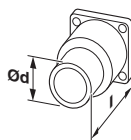| Flame resistance	in acc. to UL 1581 VW1
Halogen-free	yes
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-20 °C ... 105 °C (cable, flexible installation)

Standards and Regulations

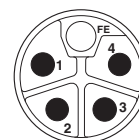| Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flame resistance	in acc. to UL 1581 VW1
Halogen-free	yes
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Dimensional drawing

Dimensional drawings can be found under Downloads

Schematic diagram

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

Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440102
eCl@ss 9.0	27440102

Accessories

Accessories

Flat nut

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Accessories

Flat nut - SACC-E-MU-M16 - 1504097

Flat nut with M16 thread

Protective cap

Sealing cap - PROT-M12 FS - 1560251

M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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Sealing cap - PROT-M12 FS-M - 1430488

M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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