PHŒNIX CONTACT

Flush-type connector - SACC-DSI-M12MSL-4FE-M16XL/0,2 - 1415297

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Flush-type connector, Power, 5-position, Plug, M12, L-coded, Rear 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

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 056265
GTIN	4055626056265
Weight per Piece (excluding packing)	22.220 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)	-40 °C ... 85 °C (without mechanical actuation)
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	16 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
Test voltage	1.5 kV
Connection method	Individual wires
Torque	0.8 Nm ... 1.3 Nm (Installation-side)
Mounting type	Rear mounting M16 x 1.5 With flat nut

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)

Cable

Cable type	PEX litz wire
Conductor cross section	2.5 mm²
AWG signal line	10
Wire colors	brown 1, white 2, blue 3, black 4, gray FE
Material conductor insulation	PE-X
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Test voltage Core/Core	6 kV
Flame resistance	in acc. with UL FT-2
Halogen-free	according to IEC 60754-1
Other resistance	Hydrolysis-resistant
Ambient temperature (operation)	-25 °C ... 90 °C

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Technical data

Cable

	-40 °C ... 90 °C (cable, fixed installation)

Standards and Regulations

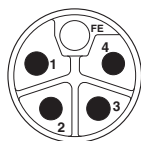|	
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flame resistance	in acc. with UL FT-2
Halogen-free	according to IEC 60754-1
Other resistance	Hydrolysis-resistant
Flammability rating according to UL 94	V0

Environmental Product Compliance

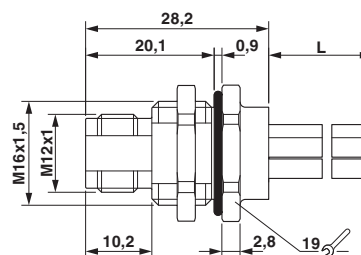|	
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

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

Dimensional drawing

M12 flush-type plug

Classifications

eCl@ss

eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 13.2	39121413

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Accessories

Accessories

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

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