PHŒNIX CONTACT

Flush-type connector - SACC-DSI-M12MSK-4PE-M16XL/0,2 - 1415293

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Flush-type connector, Power, 5-position, Plug, M12, K - Power, 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 056227
GTIN	4055626056227
Weight per Piece (excluding packing)	51.600 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.
Rated current at 40°C	16 A
Rated voltage	630 V
Rated surge voltage	6 kV
Number of positions	5
Coding	K - 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
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
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	14
Wire colors	Black 1, black 2, black 3, black 4, green/yellow
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)	-40 °C ... 85 °C (without mechanical actuation)
	-40 °C ... 105 °C (cable, fixed installation)
	-25 °C ... 105 °C

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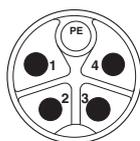
Technical data

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

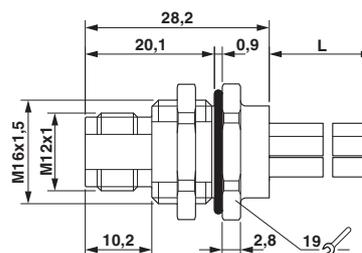| REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

Dimensional drawing

Connector pin assignment of M12 plug, 5-pos., K-coded, pin side view

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