

## Flush-type connector - SACC-DSI-M12MSL4FE-M16XL/0,2GR - 1425584

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Flush-type connector, Power, 5-position, Plug, M12, L - Power, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.2 m, 2.50 mm<sup>2</sup>, PEX litz wire

### 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**

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### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 424330
GTIN	4055626424330

### Technical data

#### Dimensions

Length of cable	0.2 m
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#### Ambient conditions

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

#### 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.
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## Technical data

### General

	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
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	Rear mounting M16 x 1.5 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	PEX litz wire
Conductor cross section	2.5 mm <sup>2</sup>
AWG signal line	14
Wire colors	brown 1, white 2, blue 3, black 4, gray FE
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Flame resistance	in acc. with UL FT-2
Halogen-free	according to IEC 60754-1
Ambient temperature (operation)	-40 °C ... 85 °C (without mechanical actuation)
	-40 °C ... 105 °C (cable, fixed installation)
	-25 °C ... 105 °C (cable, flexible installation)

### Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-111 In line with
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### Technical data

#### Standards and Regulations

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Flammability rating according to UL 94	V0

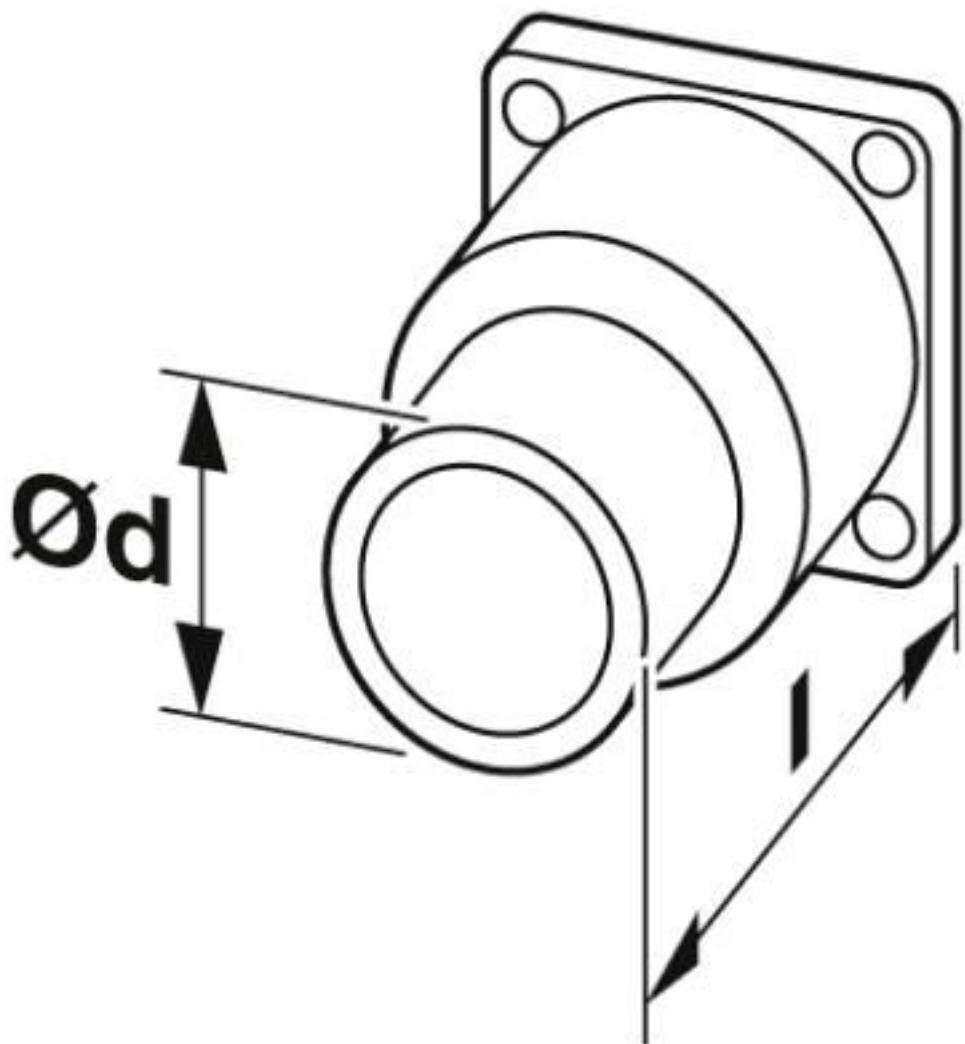
#### Environmental Product Compliance

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

### Drawings

## Flush-type connector - SACC-DSI-M12MSL4FE-M16XL/0,2GR - 1425584

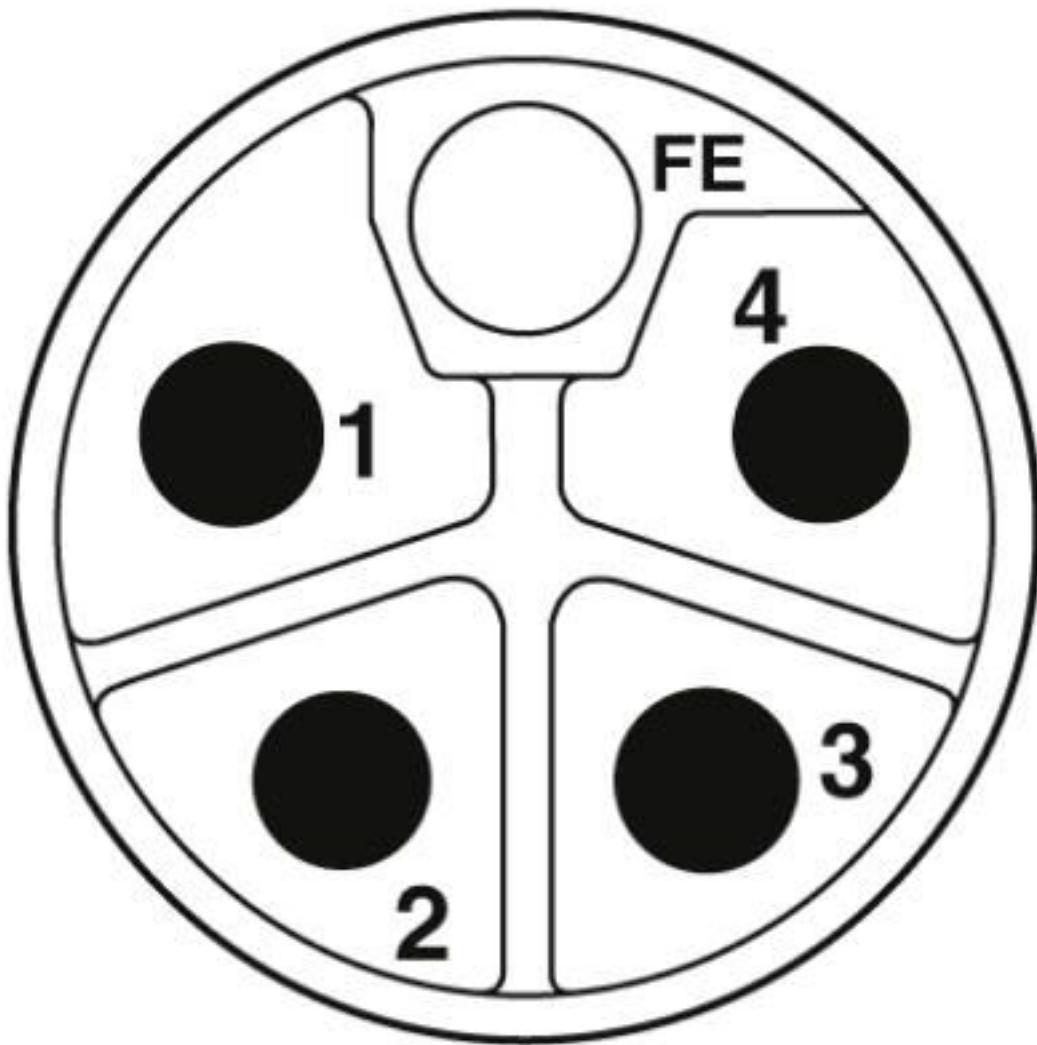
Dimensional drawing



Technical drawings can be found under Downloads

## Flush-type connector - SACC-DSI-M12MSL4FE-M16XL/0,2GR - 1425584

Schematic diagram



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

### Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440102
eCl@ss 9.0	27440102

### Approvals

Approvals

## Flush-type connector - SACC-DSI-M12MSL4FE-M16XL/0,2GR - 1425584

### Approvals

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#### Approvals

EAC / cULus Recognized

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#### Ex Approvals

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#### Approval details

EAC		B.01687
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E468743-20180113
Nominal voltage UN		63 V
Nominal current IN		16 A
mm <sup>2</sup> /AWG/kcmil		14

### Accessories

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##### 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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