

# Flush-type connector - SACC-DSI-M12FSL-4FE-M16XL/0,5 - 1163111

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Flush-type connector, Power, 5-position, Socket, M12, L-coded, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.5 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



## Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	 4 063151 174804
GTIN	4063151174804

## Technical data

### Dimensions

Length of cable	0.5 m
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-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
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## Technical data

### General

	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
Status display	No
Overvoltage category	III
Degree of pollution	3
Test voltage	1.5 kV
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly instructions	Tightening limitation
Thread type	M16 x 1.5

### 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 mm <sup>2</sup>
AWG signal line	14
Wire colors	brown 1, white 2, blue 3, black 4, gray FE
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Test voltage Core/Core	6 kV
Ambient temperature (operation)	-40 °C ... 90 °C (without mechanical actuation)
	-40 °C ... 105 °C (cable, fixed installation)
	-25 °C ... 105 °C (cable, flexible installation)

### Standards and Regulations

# Flush-type connector - SACC-DSI-M12FSL-4FE-M16XL/0,5 - 1163111

## Technical data

### Standards and Regulations

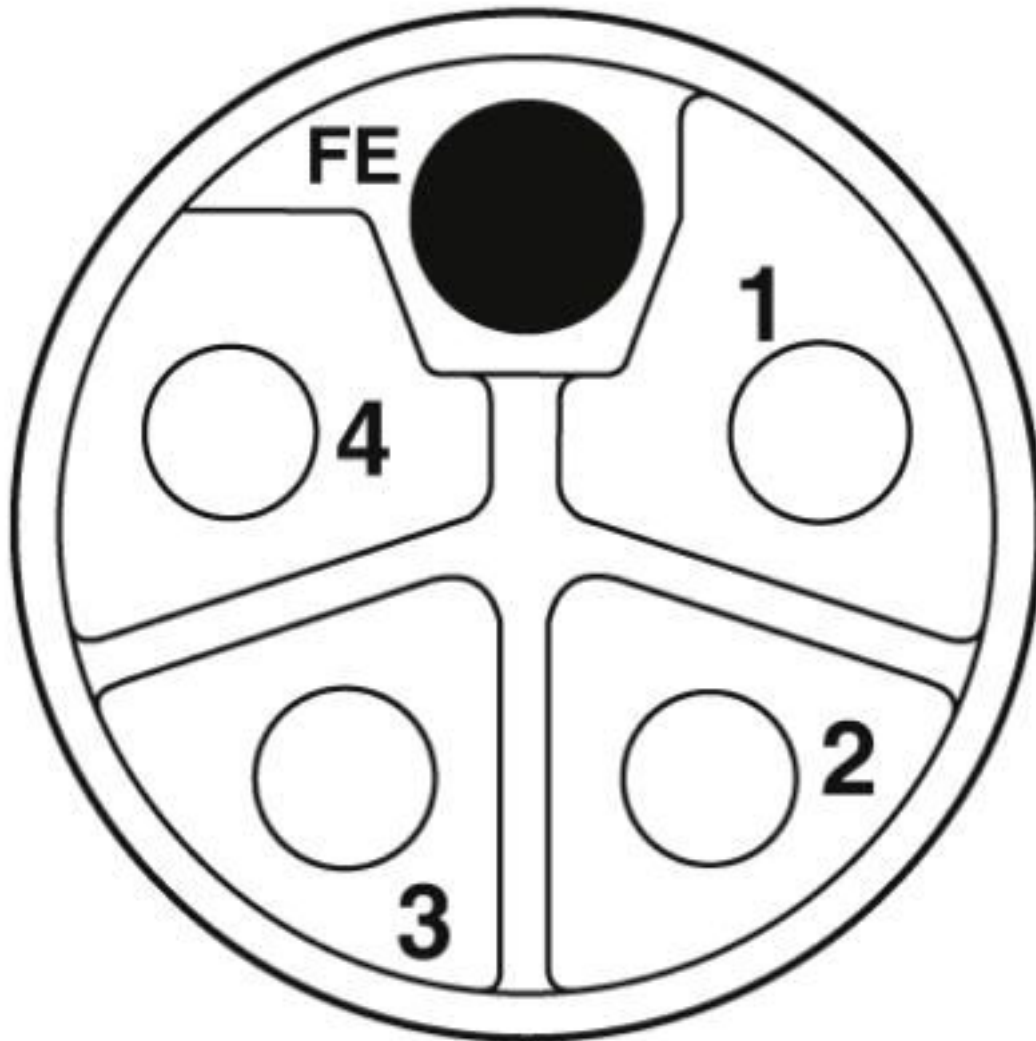
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Flammability rating according to UL 94	V0

### 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

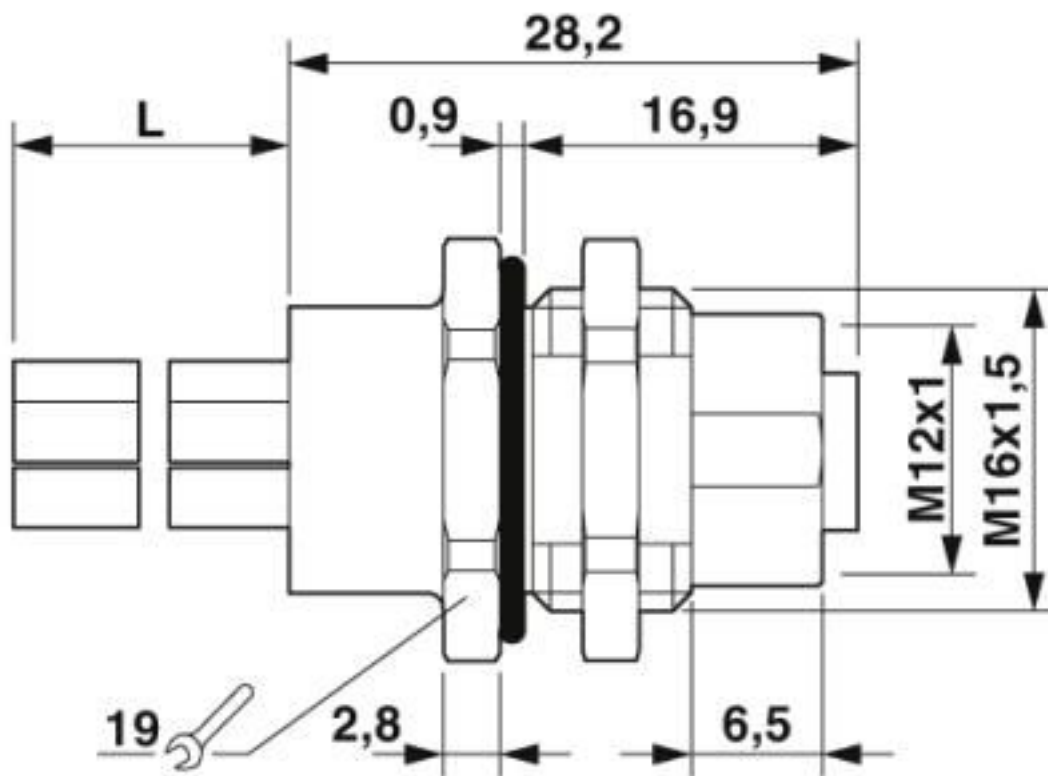
Schematic diagram



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

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Dimensional drawing



M12 flush-type socket

## Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002061
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## Approvals

Approvals

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Approvals

EAC

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## Flush-type connector - SACC-DSI-M12FSL-4FE-M16XL/0,5 - 1163111

### Approvals

Ex Approvals

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#### Approval details

EAC



B.01687

### Accessories

#### Accessories

Screw plug - PROT M12 MS PWR - 1092802



An M12 screw plug for the unoccupied M12 females of the M12 POWER connectors, boxes, and flush-type connectors

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