

Flush-type connector - SACC-E-M12FSL-4FE-M16XL/0,2 GR - 1425583

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Flush-type connector, Power, 5-position, Socket, M12, L - Power, Front mounting, M16 x 1.5, Individual wires, cable length: 0.2 m, 2.50 mm², 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
GTIN	 4 055626 424323
GTIN	4055626424323
Weight per Piece (excluding packing)	47.600 g
Custom tariff number	85444290
Country of origin	Germany
Sales Key	ABQEAB

Technical data

Dimensions

Length of cable	0.2 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

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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
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	Front mounting M16 x 1.5 Tightening limitation
Thread type	M16 x 1.5
Halogen-free	according to IEC 60754-1
Flame resistance	in acc. with UL FT-2

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 mm²
AWG signal line	14
Wire colors	brown 1, white 2, blue 3, black 4, pink FE
Material conductor insulation	PE-X
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with

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Cable

Test voltage Core/Core	6 kV
Other resistance	Hydrolysis-resistant
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

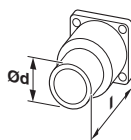
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Flame resistance	in acc. with UL FT-2
Halogen-free	according to IEC 60754-1
Other resistance	Hydrolysis-resistant
Flammability rating according to UL 94	V0

Environmental Product Compliance

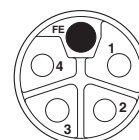
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Schematic diagram



Technical drawings can be found under Downloads

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

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 9.0	27440102

Approvals

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Approvals


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EAC / cULus Recognized

Ex Approvals

Approval details

EAC		B.01687
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743-20180113
Nominal voltage UN		63 V	
Nominal current IN		16 A	
mm²/AWG/kcmil		14	

Accessories

Accessories

Flat nut

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



Flat nut with M16 thread

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