Flush-type connector - SACC-E-M12FSL4CONM16XL/0,2-1,5 - 1425632

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Flush-type connector, Power, 4-position, Socket, M12, L - Power, Front mounting, M16 x 1.5, Individual wires, cable length: 0.2 m, 1.31 mm², UL/cUL stranded hook-up 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 425818
GTIN	4055626425818

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

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.

Flush-type connector - SACC-E-M12FSL4CONM16XL/0,2-1,5 - 1425632

Technical data

General

Rated current at 40°C	12 A
Rated voltage	63 V
Rated surge voltage	1.5 kV
Number of positions	4
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 With flat nut
Assembly instructions	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)

Cable

Cable type	UL/cUL stranded hook-up wire
Conductor cross section	1.31 mm²
AWG signal line	16
Core diameter including insulation	2 mm
Wire colors	Brown 1, white 2, blue 3, black 4
Material conductor insulation	mPPE
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Test voltage Core/Core	3 kV
Flame resistance	in acc. to UL 1581 VW1
Halogen-free	yes
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-20 °C ... 105 °C (cable, flexible installation)

Standards and Regulations

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

Flush-type connector - SACC-E-M12FSL4CONM16XL/0,2-1,5 - 1425632

Technical data

Standards and Regulations

Flame resistance	in acc. to UL 1581 VW1
Halogen-free	yes
Flammability rating according to UL 94	V0

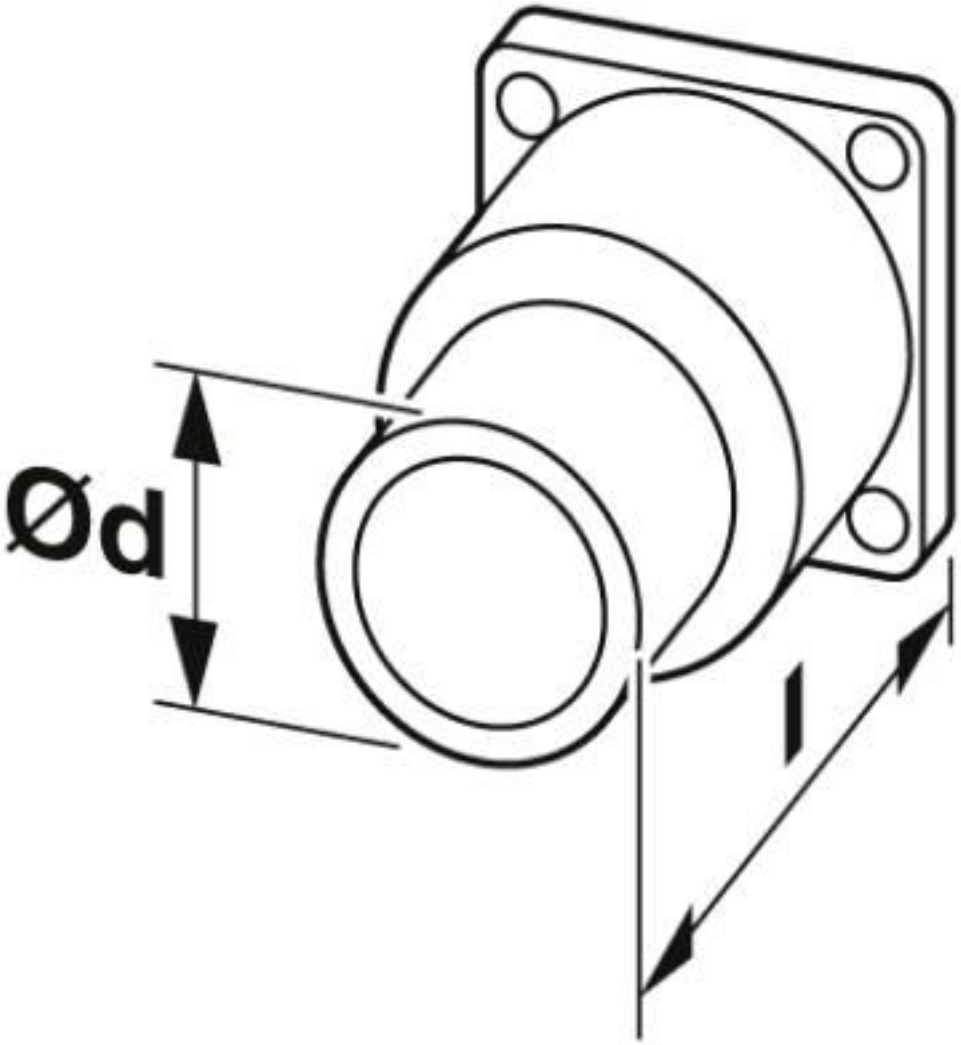
Environmental Product Compliance

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-E-M12FSL4CONM16XL/0,2-1,5 - 1425632

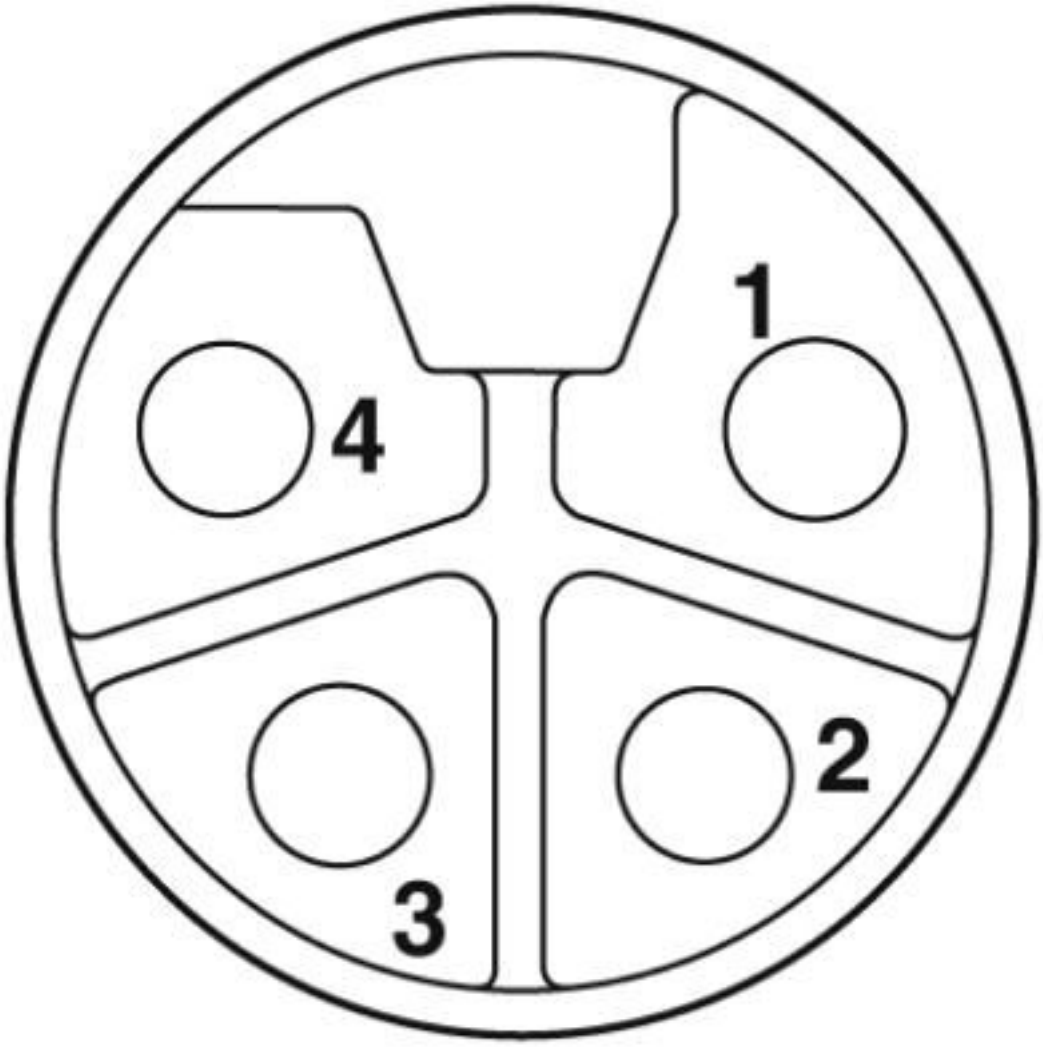
Dimensional drawing



Technical drawings can be found under Downloads

Flush-type connector - SACC-E-M12FSL4CONM16XL/0,2-1,5 - 1425632

Schematic diagram



Pin assignment of M12 socket, 4-pos., L-coded, socket 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-E-M12FSL4CONM16XL/0,2-1,5 - 1425632

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC	EAC	B.01687

cULus Recognized	c UL us	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743-20180113

Nominal voltage UN	63 V
Nominal current IN	12 A
mm²/AWG/kcmil	16

Accessories

Accessories

Circular connectors (device side)

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

Phoenix Contact 2020 © - all rights reserved
http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com