PHŒNIX
CONTACT

Flush-type connector - SACC-DSI-M12FSL-4CON-M16XL/0,5 - 1163053

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, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.5 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

RoHS   PROFI
        NET®

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	4 063151 174026
GTIN	4063151174026

Technical data

Dimensions

Length of cable	0.5 m

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

Flush-type connector - SACC-DSI-M12FSL-4CON-M16XL/0,5 - 1163053

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.
Rated current at 40°C	16 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	Rear mounting M16 x 1.5 Tightening limitation
Assembly instructions	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)

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
Material conductor insulation	PE-X
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Ambient temperature (operation)	-40 °C ... 85 °C (without mechanical actuation)
	-40 °C ... 105 °C (cable, fixed installation)
	-25 °C ... 105 °C (cable, flexible installation)

PHŒNIX CONTACT

Flush-type connector - SACC-DSI-M12FSL-4CON-M16XL/0,5 - 1163053

Technical data

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
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-M12FSL-4CON-M16XL/0,5 - 1163053

Dimensional drawing

Ød
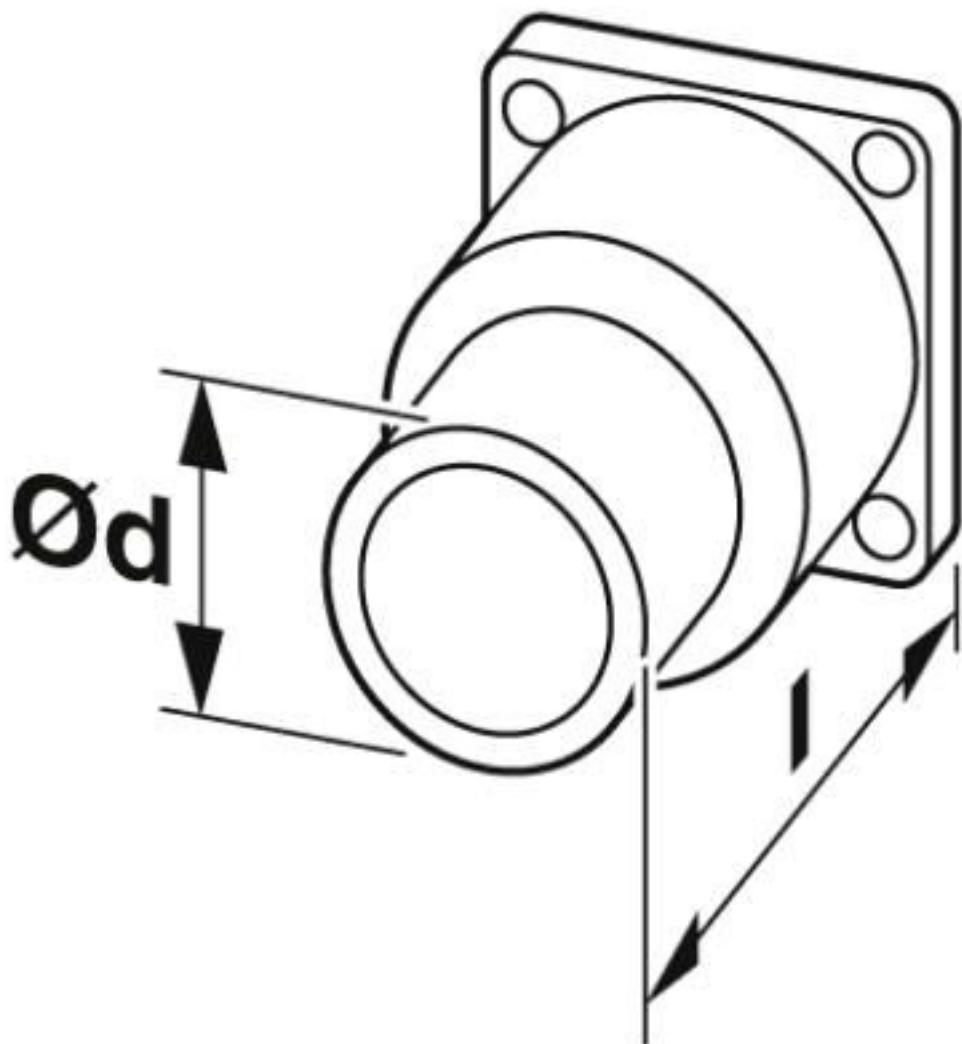
Technical drawings can be found under Downloads

PHŒNIX CONTACT

Flush-type connector - SACC-DSI-M12FSL-4CON-M16XL/0,5 - 1163053

Schematic diagram
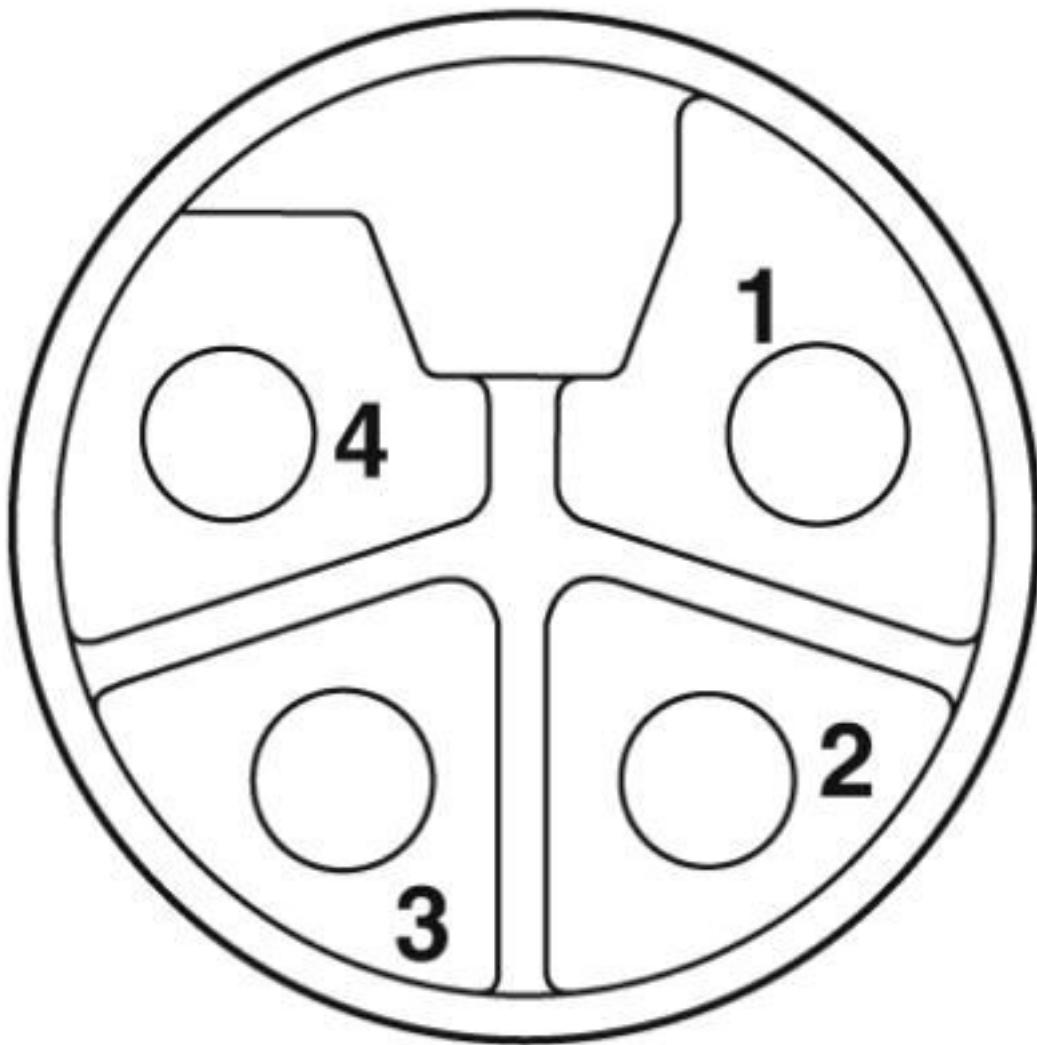
Pin assignment of M12 socket, 4-pos., L-coded, socket side view

Classifications

eCl@ss

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

Approvals

Approvals

PHŒNIX CONTACT

Flush-type connector - SACC-DSI-M12FSL-4CON-M16XL/0,5 - 1163053

Approvals

Approvals

EAC

Ex Approvals

Approval details

| EAC | 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

---

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#):
  [1163053](#)