

SACC-DSI-M12MSL-4FE-M16XL/0,2 - Device connector rear mounting



1415297

<https://www.phoenixcontact.com/us/products/1415297>

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 documentation. Our general terms of use for downloads are valid.



Device connector rear mounting, Power, 5-position, Pin, straight, M12-Standard, coding: L, on free cable end, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.2 m, 2.50 mm², PEX litz wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239084

Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- For high transmission safety: shield connection to the housing with optional EMC nut
- SPEEDCON fast locking system reduces cabling times

Commercial data

Item number	1415297
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCGG
Catalog page	Page 286 (C-2-2019)
GTIN	4055626056265
Weight per piece (including packing)	51.9 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	DE

SACC-DSI-M12MSL-4FE-M16XL/0,2 - Device connector rear mounting



1415297

<https://www.phoenixcontact.com/us/products/1415297>

Technical data

Notes

General	Lock nut is included in the scope of delivery
General	FE not connected to metal parts that can be touched, no protective function

Mounting

Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly instructions	With flat nut

Product properties

Product type	Circular connectors (device side)
Sensor type	Power
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	B
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Material of grip body	Zinc die-cast, nickel-plated
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated voltage in acc. with IEC 61076-2-101	63 V
Rated surge voltage	1.5 kV
	1.5 kV AC/DC
Nominal voltage U_N	63 V DC
Test voltage	1.5 kV
Test voltage Core/Core	6 kV

Connection data

SACC-DSI-M12MSL-4FE-M16XL/0,2 - Device connector rear mounting



1415297

<https://www.phoenixcontact.com/us/products/1415297>

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	2.5 mm ²
Tightening torque	0.8 Nm ... 1.3 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	Standard
Coding	L

Connection 2

Head design	free cable end
-------------	----------------

Cable/line

Cable length	0.2 m
Cable type	PEX litz wire
Signal type/category	Power
Single wire, color	brown 1, white 2, blue 3, black 4, pink FE
Cable cross section	2.5 mm ²
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE-X
Test voltage Core/Core	6 kV
Halogen-free	according to IEC 60754-1
Flame resistance	in acc. with UL FT-2
Other resistance	Hydrolysis-resistant
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation) -25 °C ... 105 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °C (without mechanical actuation)

SACC-DSI-M12MSL-4FE-M16XL/0,2 - Device connector rear mounting



1415297

<https://www.phoenixcontact.com/us/products/1415297>

	-25 °C ... 105 °C (Cable, flexible installation)
	-40 °C ... 105 °C (cable, fixed installation)

Standards and regulations

Flame resistance	in acc. with UL FT-2
Other resistance	Hydrolysis-resistant

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

SACC-DSI-M12MSL-4FE-M16XL/0,2 - Device connector rear mounting



1415297

<https://www.phoenixcontact.com/us/products/1415297>

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SACC-DSI-M12MSL-4FE-M16XL/0,2 - Device connector rear mounting



1415297

<https://www.phoenixcontact.com/us/products/1415297>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com