

SACC-DSI-M12MSL4FE-M16XL/0,2GRX - Device connector rear mounting



1239515

<https://www.phoenixcontact.com/us/products/1239515>

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, L-coding, on free cable end, Individual wires, cable length: 0.2 m, 2.50 mm², TPE litz wire, potted, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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	1239515
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABQCGB
GTIN	4063151393502
Weight per piece (including packing)	50.3 g
Weight per piece (excluding packing)	47.982 g
Country of origin	DE

SACC-DSI-M12MSL4FE-M16XL/0,2GRX - Device connector rear mounting



1239515

<https://www.phoenixcontact.com/us/products/1239515>

Technical data

Notes

Order information:	Lock nut is included in the scope of delivery
--------------------	---

Mounting

Tightening torque	0.8 Nm ... 1.3 Nm (Installation-side)
-------------------	---------------------------------------

Product properties

Product type	Circular connectors (device side)
Application	Power
Number of positions	5
Connection profile	4+FE
No. of cable outlets	1
No. of power contacts	4
Shielded	no
Coding	L
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Molding compound	PUR (potted)
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
Rated surge voltage	1.5 kV AC/DC
Nominal voltage U_N	63 V DC
Nominal current I_N	16 A
Test voltage	1.5 kV
Test voltage Core/Core	6 kV

SACC-DSI-M12MSL4FE-M16XL/0,2GRX - Device connector rear mounting



1239515

<https://www.phoenixcontact.com/us/products/1239515>

Connection data

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	TPE 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
AWG signal line	14
Test voltage Core/Core	6 kV
Halogen-free	according to IEC 60754-1
Flame resistance	in acc. with UL FT-2
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) (male connector/female)	-25 °C ... 85 °C (Plug / socket)

SACC-DSI-M12MSL4FE-M16XL/0,2GRX - Device connector rear mounting



1239515

<https://www.phoenixcontact.com/us/products/1239515>

connector)	-40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 105 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Flame resistance	in acc. with UL FT-2
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

SACC-DSI-M12MSL4FE-M16XL/0,2GRX - Device connector rear mounting

1239515

<https://www.phoenixcontact.com/us/products/1239515>

Drawings

Schematic diagram



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

SACC-DSI-M12MSL4FE-M16XL/0,2GRX - Device connector rear mounting



1239515

<https://www.phoenixcontact.com/us/products/1239515>

Classifications

ECLASS

ECLASS-13.0	27440103
-------------	----------

ETIM

ETIM 9.0	EC003570
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

SACC-DSI-M12MSL4FE-M16XL/0,2GRX - Device connector rear mounting



1239515

<https://www.phoenixcontact.com/us/products/1239515>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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