

SACC-DSI-M12MSL4FE-M16XL/0,5GR - Device connector rear mounting



1163083

<https://www.phoenixcontact.com/us/products/1163083>

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-SPEEDCON, L-coding, on free cable end, Individual wires, cable length: 0.5 m, 2.50 mm², TPE litz wire, potted

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	1163083
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCGG
GTIN	4063151173258
Weight per piece (including packing)	93.1 g
Weight per piece (excluding packing)	91.759 g
Customs tariff number	85444290
Country of origin	DE

SACC-DSI-M12MSL4FE-M16XL/0,5GR - Device connector rear mounting



1163083

<https://www.phoenixcontact.com/us/products/1163083>

Technical data

Notes

Order information:	Lock nut is included in the scope of delivery
General	Contact connection method: Crimp connection

Mounting

Mounting type	Rear mounting
Tightening torque	1.5 Nm ... 2 Nm

Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Color	gray
Material Housing	GD-Zn
Material Housing surface	Ni
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
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

SACC-DSI-M12MSL4FE-M16XL/0,5GR - Device connector rear mounting



1163083

<https://www.phoenixcontact.com/us/products/1163083>

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross-section	2.5 mm ²
Tightening torque	1.5 Nm ... 2 Nm

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	SPEEDCON
Coding	L

Connection 2

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

Cable/line

Cable length	0.5 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
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 connector)	-25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °C (without mechanical actuation)

SACC-DSI-M12MSL4FE-M16XL/0,5GR - Device connector rear mounting



1163083

<https://www.phoenixcontact.com/us/products/1163083>

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

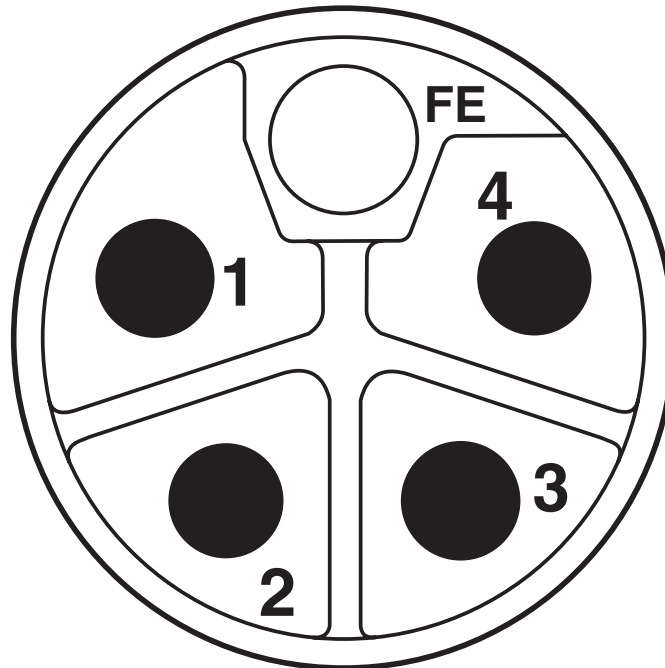
SACC-DSI-M12MSL4FE-M16XL/0,5GR - Device connector rear mounting

1163083

<https://www.phoenixcontact.com/us/products/1163083>

Drawings

Schematic diagram



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

SACC-DSI-M12MSL4FE-M16XL/0,5GR - Device connector rear mounting



1163083

<https://www.phoenixcontact.com/us/products/1163083>

Classifications

ECLASS

ECLASS-13.0	27440103
ECLASS-15.0	27440103

ETIM

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

UNSPSC

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

SACC-DSI-M12MSL4FE-M16XL/0,5GR - Device connector rear mounting



1163083

<https://www.phoenixcontact.com/us/products/1163083>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	c9a9782d-d8fa-4a47-ac92-4a4027fec4e1

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