

SACC-DSI-M12MSL4FEM16XL-L180GRX - Device connector rear mounting



1239521

<https://www.phoenixcontact.com/us/products/1239521>

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, L-coding, Wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- 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

Commercial data

Item number	1239521
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEGN
GTIN	4063151431907
Weight per piece (including packing)	18.59 g
Weight per piece (excluding packing)	17.153 g
Customs tariff number	85366990
Country of origin	DE

SACC-DSI-M12MSL4FEM16XL-L180GRX - Device connector rear mounting



1239521

<https://www.phoenixcontact.com/us/products/1239521>

Technical data

Notes

Notes on operation	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.
Notes on operation	FE not connected to metal parts that can be touched, no protective function
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting (M16 x 1.5, with flat nut)
---------------	--

Product properties

Product type	Circular connectors (device side)
Number of positions	5
Shielded	no
Coding	L
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Contact carrier	PA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0

Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage U_N	63 V DC
Nominal current I_N	16 A

Connection data

Conductor connection

Connection method	Wave soldering
-------------------	----------------

SACC-DSI-M12MSL4FEM16XL-L180GRX - Device connector rear mounting



1239521

<https://www.phoenixcontact.com/us/products/1239521>

Contact connection type	Pin
-------------------------	-----

Mechanical properties

Mechanical data

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

Connector

Connection 1

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

Cable/line

Signal type/category	Power
----------------------	-------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (When plugged in)
	IP67 (When plugged in)
	IP65/IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
	-40 °C ... 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-111

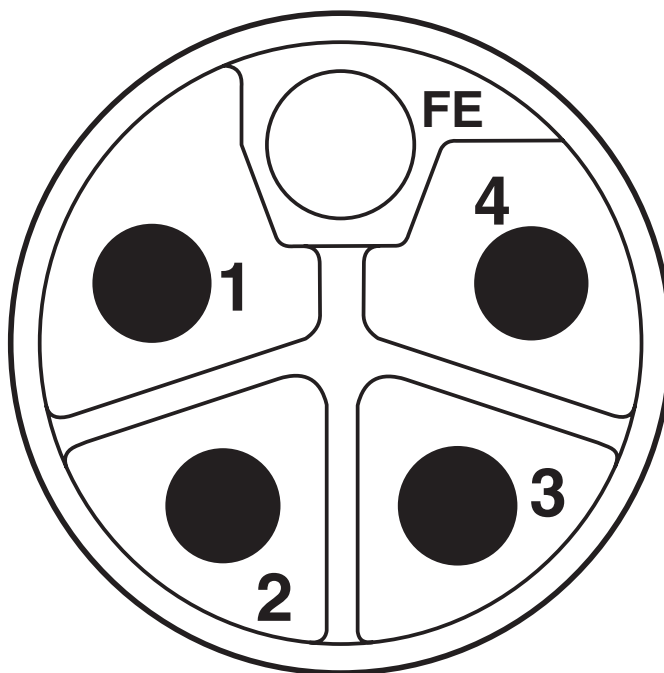
SACC-DSI-M12MSL4FEM16XL-L180GRX - Device connector rear mounting

1239521

<https://www.phoenixcontact.com/us/products/1239521>

Drawings

Schematic diagram



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

SACC-DSI-M12MSL4FEM16XL-L180GRX - Device connector rear mounting




1239521

<https://www.phoenixcontact.com/us/products/1239521>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1239521>

 cULus Recognized Approval ID: E468743-20180113				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	63 V	16 A	-	-

SACC-DSI-M12MSL4FEM16XL-L180GRX - Device connector rear mounting



1239521

<https://www.phoenixcontact.com/us/products/1239521>

Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568
-----------	----------

SACC-DSI-M12MSL4FEM16XL-L180GRX - Device connector rear mounting



1239521

<https://www.phoenixcontact.com/us/products/1239521>

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