

SACC-DSI-M12FSL-4FE-M16XL-L180X - Device connector rear mounting



1239091

<https://www.phoenixcontact.com/us/products/1239091>

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Device connector rear mounting, Power, 5-position, Socket, 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	1239091
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	ABQEHN
GTIN	4063151432607
Weight per piece (including packing)	18.135 g
Weight per piece (excluding packing)	17.142 g
Country of origin	DE

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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)
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Product properties

Product type	Circular connectors (device side)
Application	Power
Sensor type	Power
Number of positions	5
Connection profile	4+FE
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 voltage in acc. with IEC 61076-2-101	630 V
Rated surge voltage	1.5 kV
Nominal voltage U_N	63 V DC
Nominal current I_N	16 A

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Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
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Connector

Connection 1

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

Cable/line

Signal type/category	Power
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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

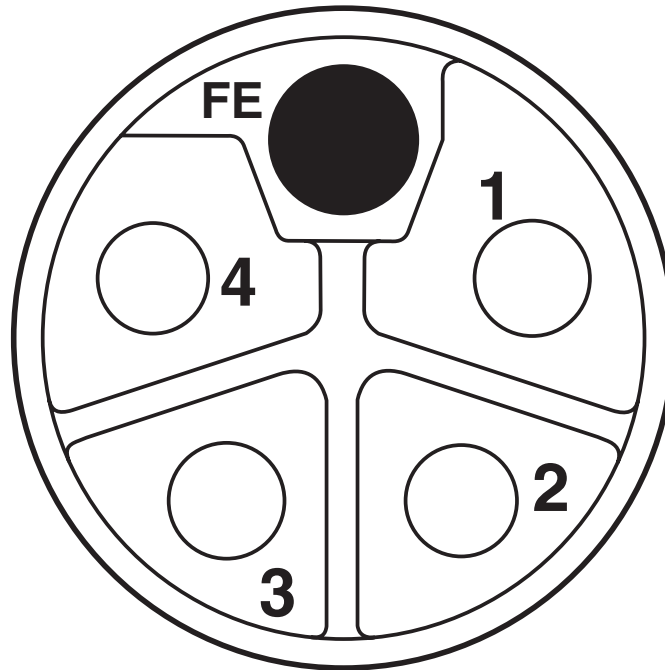
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Drawings

Schematic diagram



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

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Approvals

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 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	-	-

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Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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