

# SACC-DSI-M12FSL4CON-M16XL-L180X - Device connector rear mounting



1239524

<https://www.phoenixcontact.com/us/products/1239524>

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Device connector rear mounting, Power, 4-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	1239524
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEHN
GTIN	4063151432744
Weight per piece (including packing)	17.635 g
Weight per piece (excluding packing)	16.607 g
Customs tariff number	85366990
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.
Order information:	Lock nut is included in the scope of delivery

### Product properties

Product type	Circular connectors (device side)
Number of positions	4
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 Insulating body	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
Contact connection type	Socket

### Mechanical properties

#### Mechanical data

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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	IP67
	IP65/IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-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

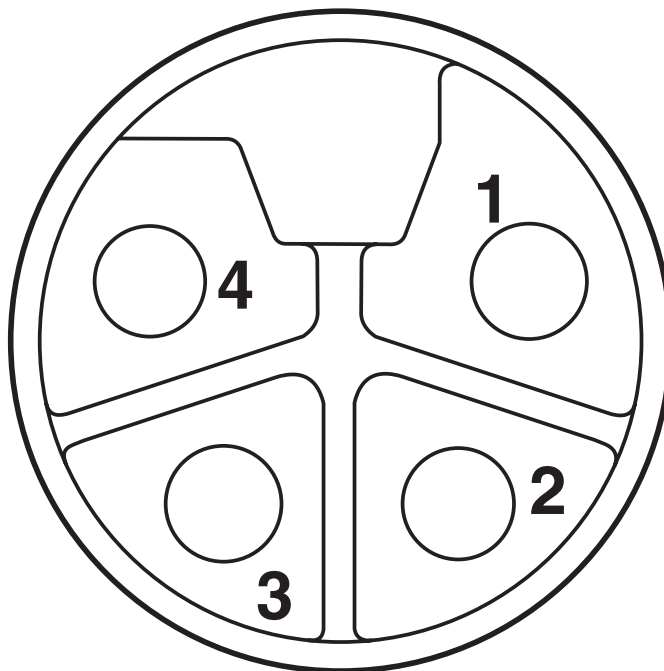
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## Drawings

Schematic diagram



Pin assignment of M12 socket, 4-pos., L-coded, socket side view

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## Classifications

### ECLASS

ECLASS-13.0	27440110
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### ETIM

ETIM 9.0	EC003569
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### UNSPSC

UNSPSC 21.0	26121600
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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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