

# Flush-type connector - SACC-DSI-M12MSL-4FE-M16XL-L180 - 1415337

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Flush-type connector, Power, 5-position, Plug, straight, M12, L-coded, Solder pins

## Why buy this product

- 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
- Tightening limitation for the O-ring gasket

## Key Commercial Data

Packing unit	20 STK
Minimum order quantity	20 STK
GTIN	
GTIN	4055626055787

## Technical data

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP67

### General

Note	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.
	FE not connected to metal parts that can be touched, no protective function
Rated current at 40°C	16 A
Rated voltage	63 V

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## Technical data

### General

Rated surge voltage	1.5 kV
Number of positions	5
Coding	L - Power
Standards/regulations	M12 connector IEC 61076-2-111 In line with
Signal type/category	Power
Overvoltage category	III
Degree of pollution	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	Nickel-plated brass
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM
Additional material specifications	PU 2K (Grout material)

### Cable

Standards/specifications	M12 connector IEC 61076-2-111 In line with
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### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

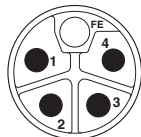
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

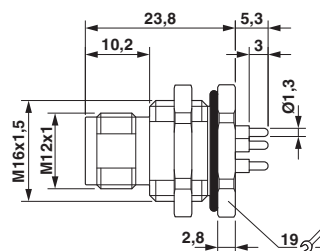
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Schematic diagram



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

Dimensional drawing



M12 flush-type plug

## Approvals

### Approvals

Approvals

cULus Recognized

Ex Approvals

### Approval details

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E468743-20180113
Nominal current I <sub>N</sub>	16 A	
Nominal voltage U <sub>N</sub>	63 V	

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