

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



1163083

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Device connector, rear mounting, 5-position, Pin, straight, M12, coding: B M12, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.5 m, 2.50 mm<sup>2</sup>, TPE litz wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1238572

## 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	25 pc
Sales key	AB27
Product key	ABQCGG
GTIN	4063151173258
Weight per piece (including packing)	93.1 g
Weight per piece (excluding packing)	93.1 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Notes

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

### Mounting

Mounting type	Rear mounting M16 x 1.5 Tightening limitation
Assembly instructions	Tightening limitation
Connection method	Individual wires

### Product properties

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

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Color	gray
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
Material for screw connection	Zinc die-cast, nickel-plated
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 AC/DC
Nominal voltage $U_N$	63 V DC

### Connection data

#### Conductor connection

Connection method	Individual wires
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Contact connection type	Pin
Conductor cross section	2.5 mm²

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## Connector

### Connection 1

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

## Cable/line

Cable length	0.5 m
Cable type	TPE litz wire
Single wire, color	brown 1, white 2, blue 3, black 4, pink FE
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)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 105 °C (Cable, flexible installation)
	-40 °C ... 105 °C (cable, fixed installation)

## Standards and regulations

Flame resistance	in acc. with UL FT-2
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### M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

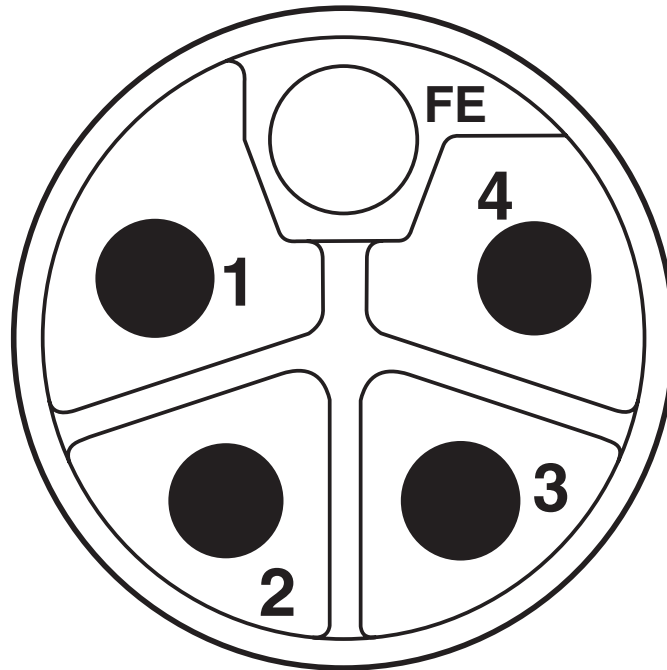
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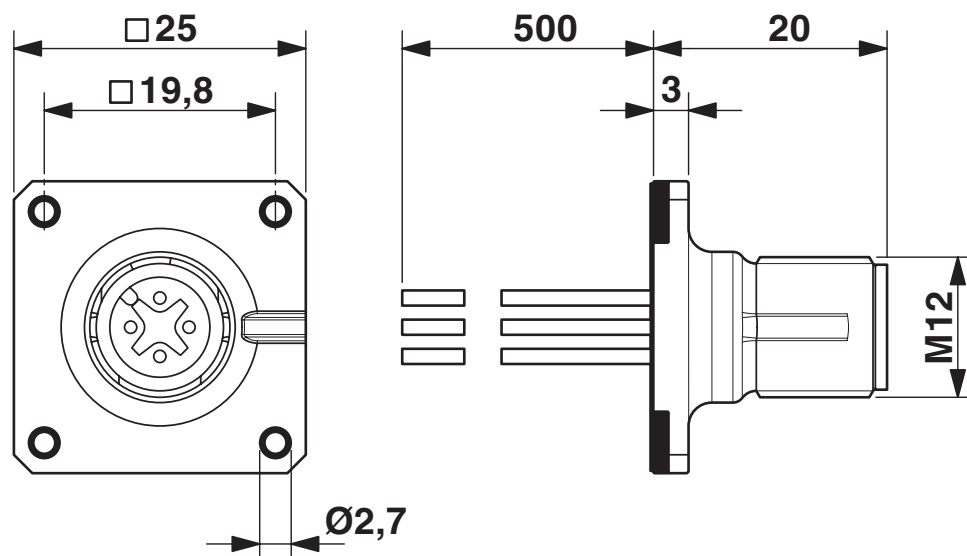
## Drawings

Schematic diagram



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

Dimensional drawing



Dimensional drawing


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## Approvals

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**EAC**  
Approval ID: B.01687

	<b>cULus Recognized</b> Approval ID: E468743-20180113			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	63 V	16 A	- 14	-

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 8.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)