

SACC-DSI-FSD-4CON-M16-L180 PPX - Device  
connector rear mounting



1238102  
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Device connector rear mounting, 4-position, Socket, straight, M12-Push-pull external locking, coding: D, Rear mounting, M16 x 1.5, Wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Established M12 standard for secure transmission of signals, data, and power
- Easy and quick cabling of devices and systems in hard-to-reach areas
- Manufacturer-independent M12 push-pull locking system for maximum availability
- Reliable shield connection even under extreme mechanical strain
- Compatible with connectors with screw or push-in connection

Commercial data

Item number	1238102
Packing unit	12 pc
Minimum order quantity	12 pc
Sales key	ABQCAB
Product key	ABQEDJ
GTIN	4063151429072
Weight per piece (including packing)	24.446 g
Weight per piece (excluding packing)	17.709 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.
Order information:	Lock nut is included in the scope of delivery

### Mounting

Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly note	With flat nut

### Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	yes
Coding	D
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Length of the solder pin	6 mm
	6 mm

### Material specifications

Material (Housing)	CuZn/Ni
Flammability rating according to UL 94	V0
Seal material	NBR/FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6

### Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 A

### Connection data

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## Conductor connection

Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	3 Nm ... 4 Nm (Installation-side)

## 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
Head locking type	Push-pull external locking
Coding	D

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)

## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	based on IEC 61076-2-010
Note	Push-pull (type 2)

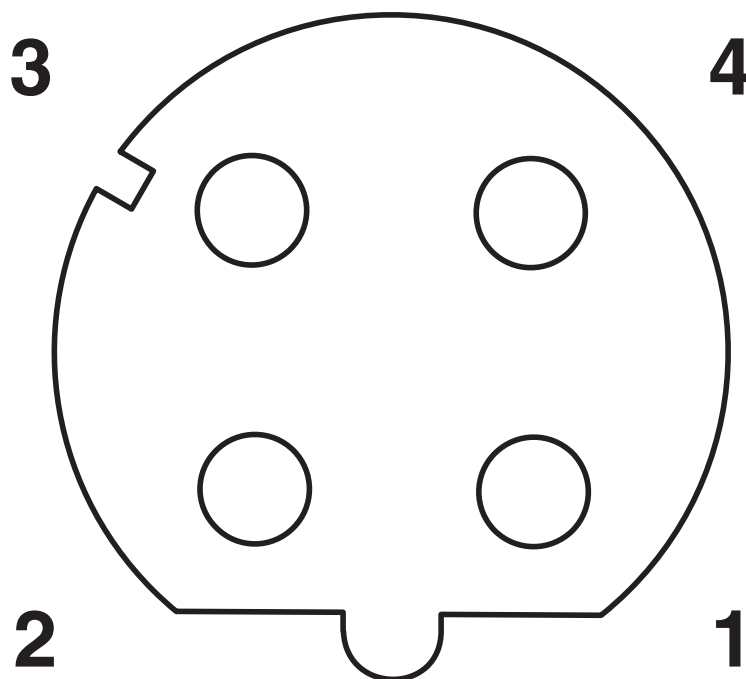
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## Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., D-coded, female side


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## Approvals

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	<b>cULus Recognized</b> Approval ID: E221474-20140616			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	4 A	-	-

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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
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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