

# SACC-DSI-FSD-4CON-M16-L180 PP - Device connector, rear mounting



1027696

<https://www.phoenixcontact.com/us/products/1027696>

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Device connector, rear mounting, 4-position, Socket, straight, M12-Push-Pull, coding: D, Rear mounting, M16 x 1.5, Wave soldering contacts, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1238102

## 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	1027696
Packing unit	1 pc
Minimum order quantity	12 pc
Note	Made to order (non-returnable)
Sales key	AB23
Product key	ABQEDJ
GTIN	4055626534015
Weight per piece (including packing)	25.751 g
Weight per piece (excluding packing)	24.875 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	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.
General	Lock nut is included in the scope of delivery

### Mounting

Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly instructions	With flat nut
Connection method	Wave soldering contacts

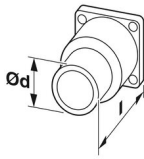
### Product properties

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

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Dimensional drawing	
Length of the solder pin	6 mm
	6 mm

### Material specifications

Material	Brass, nickel-plated
Flammability rating according to UL 94	V0
Seal material	NBR/FKM
Material of grip body	Brass, nickel-plated
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6

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Material for screw connection

Brass, nickel-plated

## Electrical properties

Rated surge voltage

1.5 kV

Nominal voltage  $U_N$

250 V

Nominal current  $I_N$

4 A

## Connection data

Conductor connection

Connection method

Wave soldering contacts

Tightening torque

3 Nm

4 Nm

## Mechanical properties

Mechanical data

Insertion/withdrawal cycles

> 100

## Connector

Connection 1

Head design

Socket

Head cable outlet

straight

Head thread type

M12

Head locking type

Push-Pull

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

M12

Standard designation

M12 connector

Standards/specifications

IEC 61076-2-010

Note

Push-pull (type 2)

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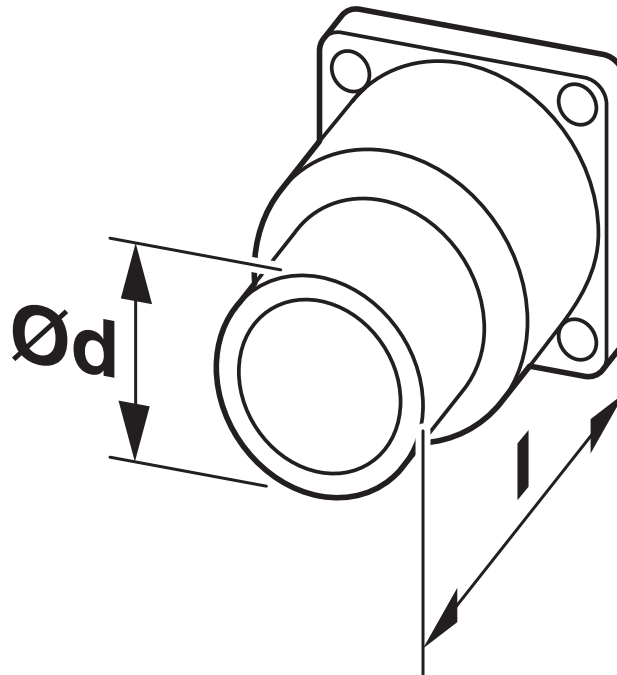


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## Drawings

Dimensional drawing



Technical drawings can be found under Downloads

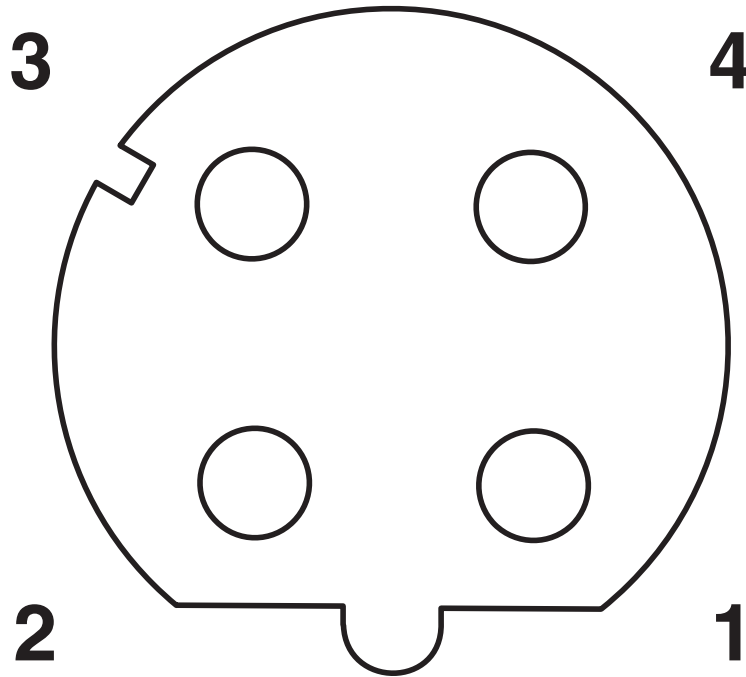
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Schematic diagram



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


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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1027696>



**EAC**  
Approval ID: B.01687

	<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	22 - 20	-

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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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## Accessories

### PROT-M12 - Screw plug

1680539

<https://www.phoenixcontact.com/us/products/1680539>



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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### PROT-M12 SH - Screw plug

1503302

<https://www.phoenixcontact.com/us/products/1503302>



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

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## PROT-M12 FB - Screw plug

1555538

<https://www.phoenixcontact.com/us/products/1555538>



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

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