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

1027696

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

PHŒNIX CONTACT

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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	ABQCAB
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

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.

Mounting

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

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	Nickel-plated brass
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Nickel-plated brass

Electrical properties

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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

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	Push-Pull
Coding	D

Cable/line

Shielded	yes

Environmental and real-life conditions

Ambient conditions

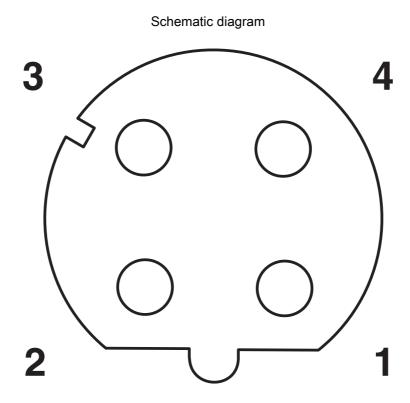| Degree of protection	IP67
	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)

Standards and regulations

M12

Standards/specifications	IEC 61076-2-010

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Drawings

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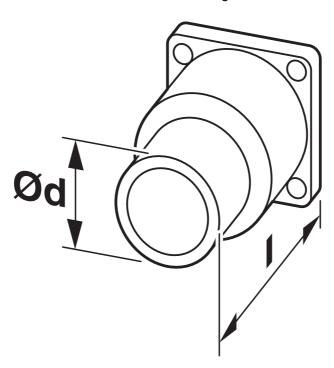
Pin assignment M12 socket, 4-pos., D-coded, female side

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Dimensional drawing

Technical drawings can be found under Downloads

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Approvals

	EAC
	Approval ID: B.01687

cULus Recognized
Approval ID: E221474-20140616

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	22 - 20	-

Classifications

ECLASS

ECLASS-9.0	27440103
ECLASS-10.0.1	27440109
ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC003569

UNSPSC

UNSPSC 21.0	39121400

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

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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