

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



1027696

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector rear mounting, 4-position, Socket, straight, M12-Push-Pull, coding: D, Rear mounting, M16 x 1.5, Wave soldering, 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	12 pc
Minimum order quantity	12 pc
Sales key	AB26
Product key	ABQEDJ
GTIN	4055626534015
Weight per piece (including packing)	24.54 g
Weight per piece (excluding packing)	24.54 g
Customs tariff number	85366990
Country of origin	DE

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



1027696

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

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
General	Push-pull external locking

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
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	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
Material for screw connection	Brass, nickel-plated

Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage U_N	250 V

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



1027696

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

Nominal current I_N	4 A
-----------------------	-----

Connection data

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
-----------------------------	-------

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)

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

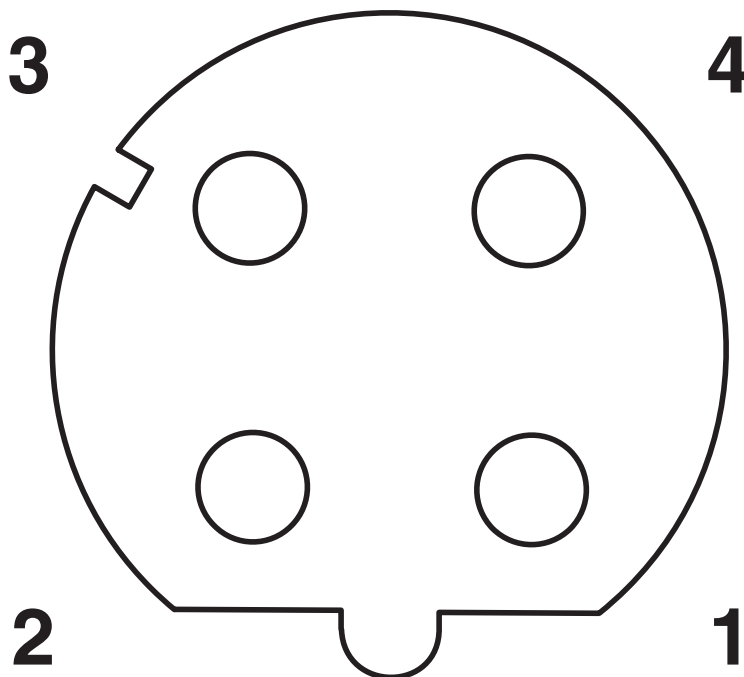


1027696

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

Drawings

Schematic diagram



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

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




1027696

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

Approvals

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

 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	-	-

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



1027696

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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1027696

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

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	126e5119-3157-421c-9a12-4ed0cb033d9f

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



1027696

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

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

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



1027696

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

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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

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