

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



1027680

<https://www.phoenixcontact.com/us/products/1027680>

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, Pin, straight, M12-Push-pull external locking, D-coding, 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

## Commercial data

Item number	1027680
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQECJ
GTIN	4055626533957
Weight per piece (including packing)	17.295 g
Weight per piece (excluding packing)	15.885 g
Customs tariff number	85366990
Country of origin	DE

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



1027680

<https://www.phoenixcontact.com/us/products/1027680>

## Technical data

### Notes

Order information:	Lock nut is included in the scope of delivery
--------------------	-----------------------------------------------

### Mounting

Mounting type	Rear mounting (M16 x 1.5, with flat nut)
Tightening torque	3 Nm ... 4 Nm (Installation-side)

### Product properties

Product type	Circular connectors (device side)
Application	Data
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	GD-Zn
Material Housing surface	Ni
Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR
Flammability rating according to UL 94	V0

### 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
Contact connection type	Pin

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



1027680

<https://www.phoenixcontact.com/us/products/1027680>

Tightening torque	3 Nm ... 4 Nm (Installation-side)
-------------------	-----------------------------------

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

## Connector

### Connection 1

Head design	Pin
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
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

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

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

1027680

<https://www.phoenixcontact.com/us/products/1027680>

## Drawings

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

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




1027680

<https://www.phoenixcontact.com/us/products/1027680>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1027680>

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

 <b>UL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	250 V	4 A	22	-

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



1027680

<https://www.phoenixcontact.com/us/products/1027680>

## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 10.0	EC003568
-----------	----------

### UNSPSC

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

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



1027680

<https://www.phoenixcontact.com/us/products/1027680>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)