

# SACC-DSI-FS-5CON-M16-L180 PP - Device connector rear mounting



1027669

<https://www.phoenixcontact.com/us/products/1027669>

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Device connector rear mounting, 5-position, Socket, straight, M12-Push-pull external locking, A-coding, Wave soldering, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## 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	1027669
Packing unit	12 pc
Minimum order quantity	12 pc
Note	Made to order (non-returnable)
Sales key	AB26
Product key	ABQEDJ
GTIN	4055626533391
Weight per piece (including packing)	26.09 g
Weight per piece (excluding packing)	18.209 g
Customs tariff number	85366990
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
General	Push-pull external locking

### Mounting

Mounting type	Rear mounting (M16 x 1.5, with flat nut)
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### Product properties

Product type	Circular connectors (device side)
Number of positions	5
Shielded	no
Coding	A
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
Material Housing surface	Ni
Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR/FKM
Flammability rating according to UL 94	V0

### Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage $U_N$	60 V
Nominal current $I_N$	4 A

### Connection data

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## Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

## 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	A

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65 (When plugged in)
	IP67 (When plugged in)
	IP65/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

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## Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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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 $\text{mm}^2$
keine	60 V	4 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 10.0	EC003568
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### UNSPSC

UNSPSC 21.0	39121400
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## 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	9e4d4415-129f-45b8-b3a6-06d6a4e74527

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