

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



1027669

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

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Device connector rear mounting, 5-position, Socket, straight, M12-Push-pull external locking, coding: A, Rear mounting, M16, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238100

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	ABQEDJ
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 With flat nut
Assembly note	With flat nut

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/Ni
Material (Nut)	CuZn/Ni
Flammability rating according to UL 94	V0
Seal material	NBR/FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6

Electrical properties

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

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Connection data

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	IP67
	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)

Standards and regulations

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

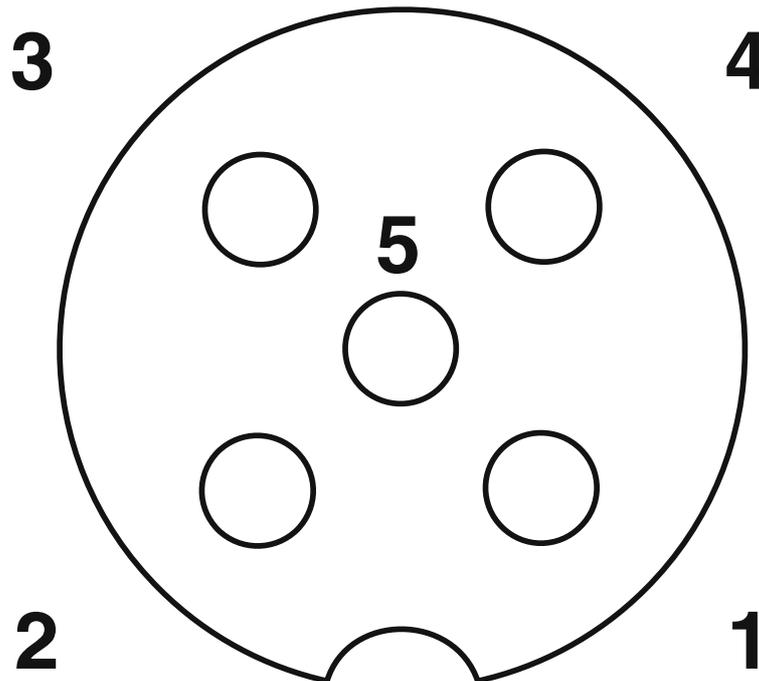
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Drawings

Schematic diagram



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

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Approvals

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 cULus Recognized Approval ID: E221474-20140616	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	-	-

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Classifications

ECLASS

ECLASS-13.0

27440110

ETIM

ETIM 9.0

EC002635

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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