

# SACC-DSI-MS-5CON-L180/SH BU - Device connector rear mounting



1457953

<https://www.phoenixcontact.com/us/products/1457953>

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Device connector rear mounting, 5-position, Pin, straight, M12-SPEEDCON, A-coding, Wave soldering, this item is expected to be lead-free from Q1 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing by means of shield contact

## Commercial data

Item number	1457953
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEGB
GTIN	4046356632713
Weight per piece (including packing)	14.436 g
Weight per piece (excluding packing)	13.23 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

Order information:	Lock nut is included in the scope of delivery
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### 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	yes
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	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR
Flammability rating according to UL 94	V0

### Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	60 V
Nominal current $I_N$	4 A

### Connection data

#### Conductor connection

Connection method	Wave soldering
Contact connection type	Pin

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## Connector

### Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

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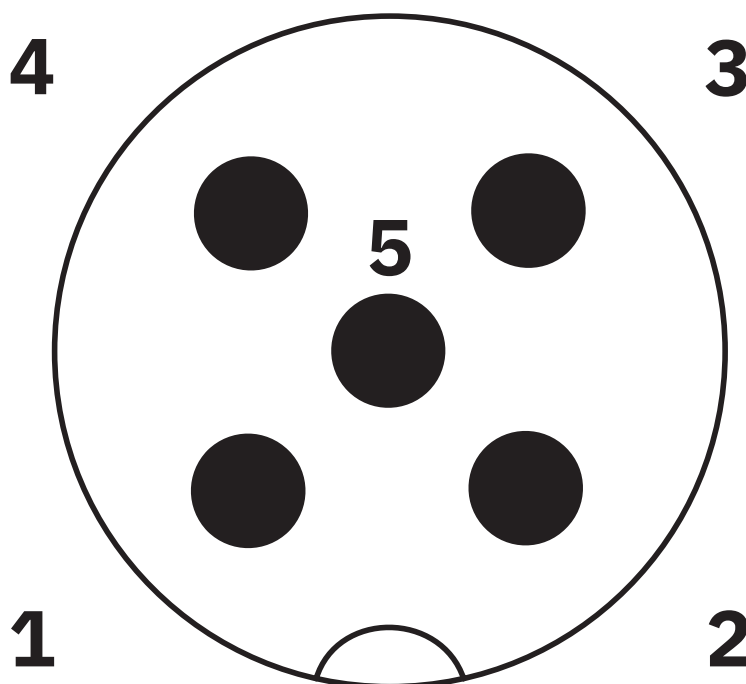


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## Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

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## Approvals

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keine	 <b>cULus Recognized</b> Approval ID: E221474-20140616			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	60 V	4 A	-	-

keine	 <b>UL Recognized</b> Approval ID: E118976-20100522			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	60 V	4 A	22	-

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## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 9.0	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	29dabe3c-266d-404b-a0c5-1ba48d781519

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