

# SACC-DSIV-M12MS-5CON-L180 - Device connector rear mounting



1694211

<https://www.phoenixcontact.com/us/products/1694211>

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Sensor/actuator flush-type plug, 5-pos., M12, A-coded, rear/screw mounting with M12 thread, with polarity protection, with straight solder connection



## Your advantages

- Standard pin assignments and codings for signal transmission with a uniform design-in design

## Commercial data

Item number	1694211
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQEGI
GTIN	4017918177492
Weight per piece (including packing)	12.106 g
Weight per piece (excluding packing)	11.88 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.
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### Mounting

Mounting type	Rear mounting (M12 x 1, with locking nut)
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

### 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

### Material specifications

Material Housing	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Seal	NBR
Flammability rating according to UL 94	HB

### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 5 \text{ m}\Omega$
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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Tightening torque	1 Nm ... 1.5 Nm (Installation-side)
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## Connector

### Connection 1

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

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °C (without mechanical actuation)
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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rear mounting

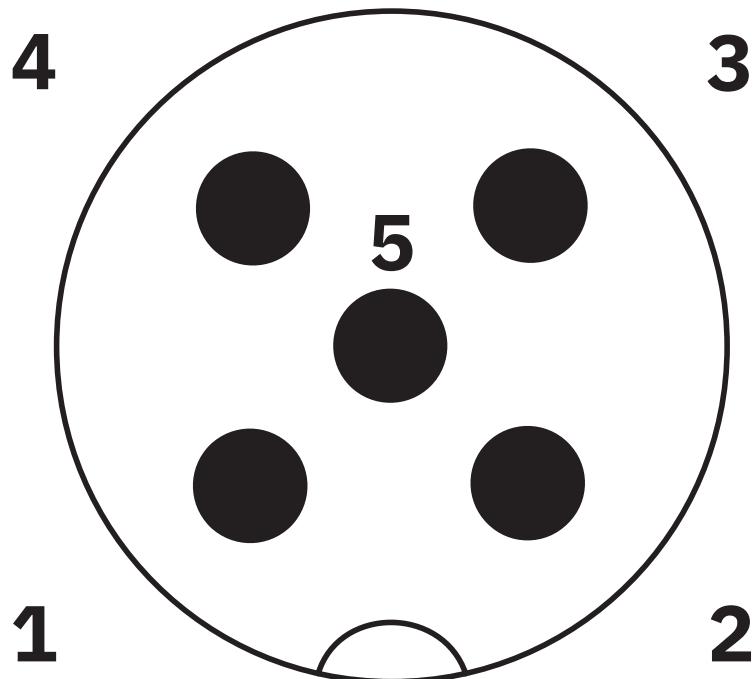


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Drawings

Schematic diagram



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

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1694211>

cUL Recognized		Approval ID: FILE E 221474		
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
keine		60 V	4 A	-
				-

UL Recognized		Approval ID: FILE E 221474		
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
keine		60 V	4 A	-
				-

UL Recognized		Approval ID: E221474-20070307		
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
keine		60 V	4 A	-
				-

cUL Recognized		Approval ID: E221474-20070307		
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
keine		60 V	4 A	-
				-

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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.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	352d964b-b813-4de3-8c89-54071756fc73

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