

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



1694211

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

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.

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

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



1694211

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

## 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.
--------------------	--

### 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

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



1694211

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

Tightening torque	1 Nm ... 1.5 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
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

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

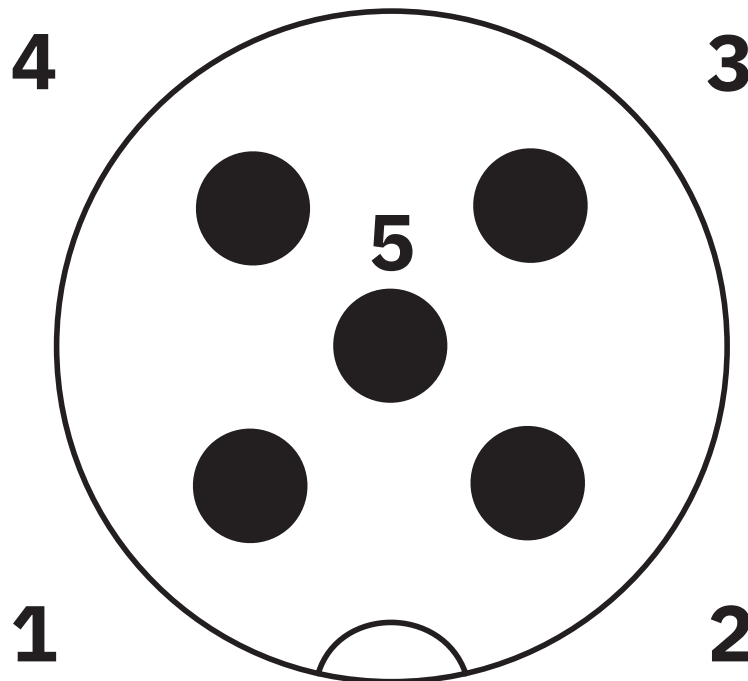


1694211

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

## Drawings

Schematic diagram



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

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





1694211


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


## Approvals

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

 <b>cUL Recognized</b> Approval ID: FILE E 221474				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	60 V	4 A	-	-

 <b>UL Recognized</b> Approval ID: FILE E 221474				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	60 V	4 A	-	-

 <b>UL Recognized</b> Approval ID: E221474-20070307				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	60 V	4 A	-	-

 <b>cUL Recognized</b> Approval ID: E221474-20070307				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	60 V	4 A	-	-

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



1694211

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

## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 9.0	EC003568
----------	----------

### UNSPSC

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

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



1694211

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

## 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	352d964b-b813-4de3-8c89-54071756fc73

Phoenix Contact 2025 © - 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)