## SACC-DSIV-M12FS-5CON-L180 - Device connector rear mounting



1694237

https://www.phoenixcontact.com/us/products/1694237

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 socket, 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	1694237
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQEHI
Catalog page	Page 189 (C-2-2013)
GTIN	4017918177515
Weight per piece (including packing)	14.96 g
Weight per piece (excluding packing)	14.51 g
Customs tariff number	85366990
Country of origin	HU

# SACC-DSIV-M12FS-5CON-L180 - Device connector rear mounting



1694237

https://www.phoenixcontact.com/us/products/1694237

## Technical data

#### Notes

General	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
Assembly instructions	With locking 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

## Material specifications

Flammability rating according to UL 94	НВ
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Brass, nickel-plated

## Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	60 V
Nominal current I <sub>N</sub>	4 A

#### Connection data

#### Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

## SACC-DSIV-M12FS-5CON-L180 - Device connector rear mounting



1694237

https://www.phoenixcontact.com/us/products/1694237

Mechanical properties  Mechanical data Insertion/withdrawal cycles > 100  Insertion/withdrawal cycles > 100  Insertion/withdrawal cycles > 100  Connector  Connector  Connection 1  Head design Socket  Head cable outlet straight  Head thread type M12  Coding A  Ablient temperature (operation) 40 °C 85 °C (cable, fixed installation)  Performmental and real-life conditions  Ambient conditions  Degree of protection IP67  Ambient temperature (operation) -25 °C 85 °C (lug / socket)  Ambient temperature (operation) -25 °C 85 °C (without mechanical actuation)	Tightening torque	1 Nm 1.5 Nm (Installation-side)
Insertion/withdrawal cycles > 100  Innector  Connection 1  Head design Socket  Head cable outlet straight  Head thread type M12  Coding A  Inble/line  Ambient temperature (operation) -25 °C 85 °C (Cable, flexible installation)  Invironmental and real-life conditions  Degree of protection IP67  Ambient temperature (operation) -25 °C 85 °C (Plug / socket)  Ambient temperature (operation) -25 °C 85 °C (without mechanical actuation)	echanical properties	
Connection 1  Head design Socket  Head cable outlet straight  Head thread type M12  Coding A  AblierIne  Ambient temperature (operation) -40 °C 85 °C (cable, fixed installation)  vironmental and real-life conditions  Ambient conditions  Degree of protection IP67  Ambient temperature (operation) -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)	Mechanical data	
Head design  Head cable outlet  Head thread type  Coding  Anbient temperature (operation)  Ambient conditions  Degree of protection  Ambient temperature (operation)  Personant Conditions  Personant Conditions  Personant Conditions  Ambient temperature (operation)  Personant Conditions  Personant Conditions  Personant Conditions  Ambient temperature (operation)  Personant Conditions  Personant	Insertion/withdrawal cycles	> 100
Head design  Head cable outlet  Head thread type  M12  Coding  A  Abble/line  Ambient temperature (operation)  Ambient conditions  Degree of protection  Percentage of protection  Ambient temperature (operation)  Percentage of protection  IP67  IP67  Ambient temperature (operation)  Ambient temperature (operation)  Percentage of protection  IP67  IP67  Ambient temperature (operation)	onnector	
Head cable outlet  Head thread type  Coding  A  A  Able/line  Ambient temperature (operation)  Vironmental and real-life conditions  Ambient conditions  Degree of protection  Ambient temperature (operation)  Performance  Ambient temperature (operation)  IP67  IP67  Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (Without mechanical actuation)	Connection 1	
Head thread type  Coding  A  A  Able/line  Ambient temperature (operation)  Ambient conditions  Ambient conditions  Degree of protection  Perconditions  Degree of protection  Ambient temperature (operation)  Perconditions  Degree of protection  Ambient temperature (operation)  Perconditions  Perconditions	Head design	Socket
Coding  Able/line  Ambient temperature (operation)  Ambient and real-life conditions  Ambient conditions  Pegree of protection  Degree of protection  Ambient temperature (operation)  Perconditions  IP67  IP67  Ambient temperature (operation)	Head cable outlet	straight
ble/line  Ambient temperature (operation)  -40 °C 85 °C (cable, fixed installation)  -25 °C 85 °C (Cable, flexible installation)  vironmental and real-life conditions  Ambient conditions  Degree of protection  IP67  IP67  Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)	Head thread type	M12
Ambient temperature (operation)  -40 °C 85 °C (cable, fixed installation)  -25 °C 85 °C (Cable, flexible installation)  Ambient conditions  Degree of protection  IP67  IP67  Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)	Coding	A
-25 °C 85 °C (Cable, flexible installation)  Ambient conditions  Degree of protection  IP67  IP67  Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)	able/line	
Ambient conditions  Degree of protection  IP67  IP67  Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)	Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)
Ambient conditions  Degree of protection  IP67  IP67  Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)		-25 °C 85 °C (Cable, flexible installation)
Degree of protection IP67 IP67  Ambient temperature (operation) -25 °C 85 °C (Plug / socket) -40 °C 85 °C (without mechanical actuation)	vironmental and real-life conditions	
IP67 Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)	Ambient conditions	
Ambient temperature (operation)  -25 °C 85 °C (Plug / socket)  -40 °C 85 °C (without mechanical actuation)	Degree of protection	IP67
-40 °C 85 °C (without mechanical actuation)		IP67
	Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
05:00 05:00 (0-14) (1-14) (1-14)		-40 °C 85 °C (without mechanical actuation)
-75 °C 85 °C (Cable flexible installation)		-40 °C 85 °C (without mechanical actuation) -25 °C 85 °C (Cable, flexible installation)

### Standards and regulations

#### M12

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

-40  $^{\circ}\text{C}$  ... 85  $^{\circ}\text{C}$  (cable, fixed installation)

Phoenix Contact 2024 © - 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