

SACC-DSIV-M12FS-8CON-L180 - Device connector rear mounting



1556854

<https://www.phoenixcontact.com/us/products/1556854>

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, 8-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	1556854
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	AB23
Product key	ABQEHI
GTIN	4046356184915
Weight per piece (including packing)	14.97 g
Weight per piece (excluding packing)	14.97 g
Customs tariff number	85366990
Country of origin	HU

SACC-DSIV-M12FS-8CON-L180 - Device connector rear mounting



1556854

<https://www.phoenixcontact.com/us/products/1556854>

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	8
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 Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR
Flammability rating according to UL 94	HB

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V
Nominal current I_N	2 A

Connection data

Conductor connection

Connection method	Wave soldering
-------------------	----------------

SACC-DSIV-M12FS-8CON-L180 - Device connector rear mounting



1556854

<https://www.phoenixcontact.com/us/products/1556854>

Contact connection type	Socket
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	Screw locking mechanism
Coding	A

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C -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

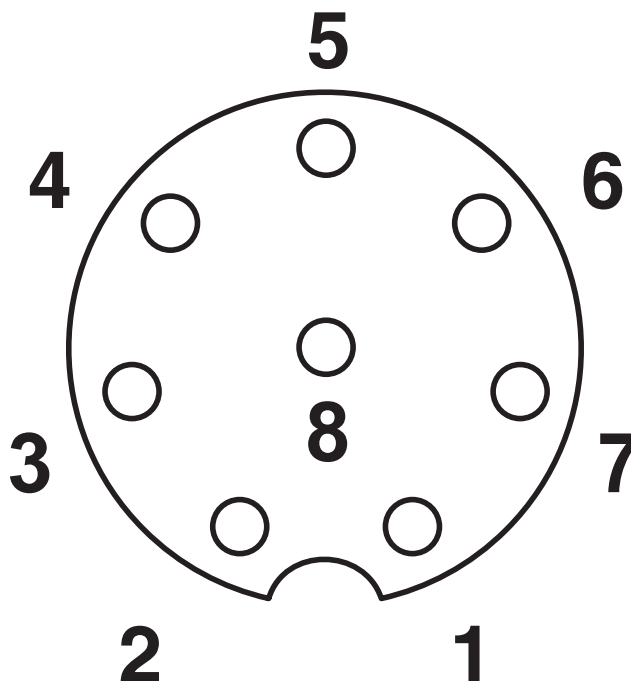
SACC-DSIV-M12FS-8CON-L180 - Device connector rear mounting

1556854

<https://www.phoenixcontact.com/us/products/1556854>

Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

SACC-DSIV-M12FS-8CON-L180 - Device connector rear mounting





1556854

<https://www.phoenixcontact.com/us/products/1556854>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1556854>

 cUL Recognized Approval ID: E221474-20070307				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	1.5 A	-	-

 UL Recognized Approval ID: E221474-20070307				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	1.5 A	-	-

SACC-DSIV-M12FS-8CON-L180 - Device connector rear mounting



1556854

<https://www.phoenixcontact.com/us/products/1556854>

Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568
-----------	----------

UNSPSC

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

SACC-DSIV-M12FS-8CON-L180 - Device connector rear mounting



1556854

<https://www.phoenixcontact.com/us/products/1556854>

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	3be6591f-e5bc-4db6-8ed5-043620d49dbb

EF3.1 Climate Change

CO2e kg	1.321 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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