

SACC-DSI-M12FS-8CON-M16 SHX - Device connector rear mounting



1239752

<https://www.phoenixcontact.com/nl/products/1239752>

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.



Device connector rear mounting, 8-position, Socket, straight, M12-SPEEDCON, A-coding, Wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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
- SPEEDCON fast locking system reduces cabling times
- For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

Item number	1239752
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	ABQEHB
Product key	ABQEHB
GTIN	4063151432782
Weight per piece (including packing)	14,465 g
Weight per piece (excluding packing)	13,265 g
Customs tariff number	85366990
Country of origin	DE

SACC-DSI-M12FS-8CON-M16 SHX - Device connector rear mounting



1239752

<https://www.phoenixcontact.com/nl/products/1239752>

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.
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting (M16 x 1.5, with flat nut)
Tightening torque	3 Nm ... 4 Nm (Installation-side)

Product properties

Number of positions	8
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 Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR
Flammability rating according to UL 94	V0

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V
Nominal current I_N	2 A

SACC-DSI-M12FS-8CON-M16 SHX - Device connector rear mounting



1239752

<https://www.phoenixcontact.com/nl/products/1239752>

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	3 Nm ... 4 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	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
	-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

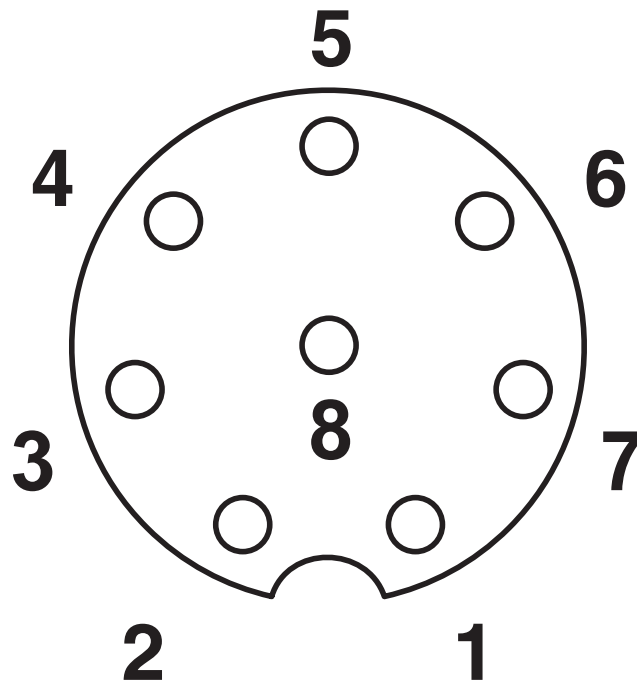
SACC-DSI-M12FS-8CON-M16 SHX - Device connector rear mounting

1239752

<https://www.phoenixcontact.com/nl/products/1239752>

Drawings

Schematic diagram



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

SACC-DSI-M12FS-8CON-M16 SHX - Device connector rear mounting



1239752

<https://www.phoenixcontact.com/nl/products/1239752>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/1239752>

 UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	2 A	24	-

 cULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	2 A	24 - 22	-

SACC-DSI-M12FS-8CON-M16 SHX - Device connector rear mounting



1239752

<https://www.phoenixcontact.com/nl/products/1239752>

Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

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

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

SACC-DSI-M12FS-8CON-M16 SHX - Device connector rear mounting



1239752

<https://www.phoenixcontact.com/nl/products/1239752>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT B.V.
Hengelder 56 6902 PA Zevenaar
Postbus 246 6900 AE Zevenaar
(0316) 59 17 20
sales@phoenixcontact.nl