

SACC-E-FS-5CON-M16/0,24-0,5DO2 - Device
connector front mounting

1416186
<https://www.phoenixcontact.com/us/products/1416186>

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 front mounting, 5-position, Socket, straight, on free cable end, Individual wires, 0.50 mm²

Commercial data

Item number	1416186
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	ABQCFB
GTIN	4055626079257
Weight per piece (including packing)	31.96 g
Weight per piece (excluding packing)	22.776 g
Country of origin	DE

SACC-E-FS-5CON-M16/0,24-0,5DO2 - Device connector front mounting



1416186

<https://www.phoenixcontact.com/us/products/1416186>

Technical data

Notes

Safety note

Safety note

WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

- WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.

- WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.

- The products are suitable for applications in plant, controller, and electrical device engineering.

- When operating the connectors in outdoor applications, they must be separately protected against environmental influences.

- Assembled products may not be manipulated or improperly opened.

- Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)).

- When using the product in direct connection with third-party manufacturers, the user is responsible.

- For operating voltages > 50 V AC, conductive connector housings must be grounded

- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.

- Observe the corresponding technical data. You will find information:
 - o On the product
 - o On the packing label
 - o In the supplied documentation
 - o Online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) under the product

- Only use tools recommended by Phoenix Contact

- Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)

- Ensure that the protective or functional ground has been properly connected.

- VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector

- The connector warms up in normal operation. Depending on the

SACC-E-FS-5CON-M16/0,24-0,5DO2 - Device connector front mounting



1416186

<https://www.phoenixcontact.com/us/products/1416186>

ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

Product properties

Product type	Circular connectors (device side)
Number of positions	5
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	1.5 kV AC
Nominal voltage U_N	60 V
Nominal current I_N	4 A

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross-section	0.5 mm ²

Connector

Connection 1

Head design	Socket
Head cable outlet	straight

Connection 2

Head design	free cable end
-------------	----------------

Cable/line

Cable cross section	0.5 mm ²
---------------------	---------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 85 °C

Standards and regulations

Standards/specifications	according to IEC 61076-2-101
--------------------------	------------------------------

SACC-E-FS-5CON-M16/0,24-0,5DO2 - Device connector front mounting



1416186
<https://www.phoenixcontact.com/us/products/1416186>

Classifications

ECLASS

ECLASS-13.0	27440116
-------------	----------

ETIM

ETIM 8.0	EC002635
----------	----------

UNSPSC

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

SACC-E-FS-5CON-M16/0,24-0,5DO2 - Device connector front mounting



1416186

<https://www.phoenixcontact.com/us/products/1416186>

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 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