

SACC-E-M12MS-8CON-M16/0,5 P - Device connector front mounting



1436424

<https://www.phoenixcontact.com/us/products/1436424>

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, Universal, 8-position, Pin, straight, M12-Standard, coding: A, on free cable end, Front mounting, M16 x 1.5, Individual wires, cable length: 0.5 m, 0.25 mm², TPE litz wire

Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- For high transmission safety: shield connection to the housing with optional EMC nut

Commercial data

Item number	1436424
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCMB
Catalog page	Page 241 (C-2-2013)
GTIN	4046356438377
Weight per piece (including packing)	21.4 g
Weight per piece (excluding packing)	21.1 g
Customs tariff number	85366990
Country of origin	DE

SACC-E-M12MS-8CON-M16/0,5 P - Device connector front mounting



1436424

<https://www.phoenixcontact.com/us/products/1436424>

Technical data

Notes

General	Contact connection method: Crimp connection
---------	---

Mounting

Mounting type	Front mounting M16 x 1.5
---------------	--------------------------

Product properties

Product type	Circular connectors (device side)
Sensor type	Universal
Number of positions	8
Application	Signal
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Color	black
Flammability rating according to UL 94	HB
Seal material	Viton
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	PA 6.6
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V (AC) 30 V (DC)
Nominal current I _N	2 A
Max. conductor resistance	80 mΩ/m

Connection data

SACC-E-M12MS-8CON-M16/0,5 P - Device connector front mounting



1436424

<https://www.phoenixcontact.com/us/products/1436424>

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	0.25 mm ²
Tightening torque	1.25 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
Head locking type	Standard
Coding	A

Connection 2

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

Cable/line

Cable length	0.5 m
Cable type	TPE litz wire
Signal type/category	Universal
Wire diameter incl. insulation	1.15 mm ±0.07 mm
Single wire, color	brown, blue, white, gray, pink, green, yellow, red
Cable cross section	0.25 mm ²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Material wire insulation	TPE
Thickness, insulation	0.21 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≤ 80 mΩ/m
Cable insulation resistance	≥ 20 MΩ*km
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation) -25 °C ... 85 °C (Cable, flexible installation)

Environmental and real-life conditions

SACC-E-M12MS-8CON-M16/0,5 P - Device connector front mounting



1436424

<https://www.phoenixcontact.com/us/products/1436424>

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)
	-40 °C ... 85 °C (cable, fixed installation)

Standards and regulations

M12

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

SACC-E-M12MS-8CON-M16/0,5 P - Device connector front mounting



1436424

<https://www.phoenixcontact.com/us/products/1436424>

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

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

SACC-E-M12MS-8CON-M16/0,5 P - Device connector front mounting



1436424

<https://www.phoenixcontact.com/us/products/1436424>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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