

SACC-E-M12MS-5CON-M16 PSCUP - Device
connector front mounting

1436398
<https://www.phoenixcontact.com/us/products/1436398>

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 connector, male, 5-pos., M12, A-coded, front/screw mounting with M16 thread, with solder cups, plastic version

Your advantages

- Standard pin assignments and codings for signal transmission with a uniform design-in design

Commercial data

Item number	1436398
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB23
Product key	ABQEEJ
GTIN	4046356438346
Weight per piece (including packing)	6.745 g
Weight per piece (excluding packing)	5.7 g
Customs tariff number	85366990
Country of origin	DE

SACC-E-M12MS-5CON-M16 PSCUP - Device

connector front mounting



1436398

<https://www.phoenixcontact.com/us/products/1436398>

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.
--------------------	--

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). • 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 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
-------------	--

SACC-E-M12MS-5CON-M16 PSCUP - Device

connector front mounting



1436398

<https://www.phoenixcontact.com/us/products/1436398>

- 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 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).

Mounting

Mounting type	Front mounting (M16 x 1,5)
Tightening torque	1.25 Nm ... 1.5 Nm (Installation-side)

Product properties

Product type	Circular connectors (device side)
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Housing	PA 6.6
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	Viton
Flammability rating according to UL 94	HB

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	60 V
Nominal current I_N	4 A

Connection data

Conductor connection

Connection method	Solder cup
Contact connection type	Pin

SACC-E-M12MS-5CON-M16 PSCUP - Device connector front mounting



1436398

<https://www.phoenixcontact.com/us/products/1436398>

Conductor cross-section flexible	... 0.25 mm²
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
Coding	A

Environmental and real-life conditions

Ambient conditions

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

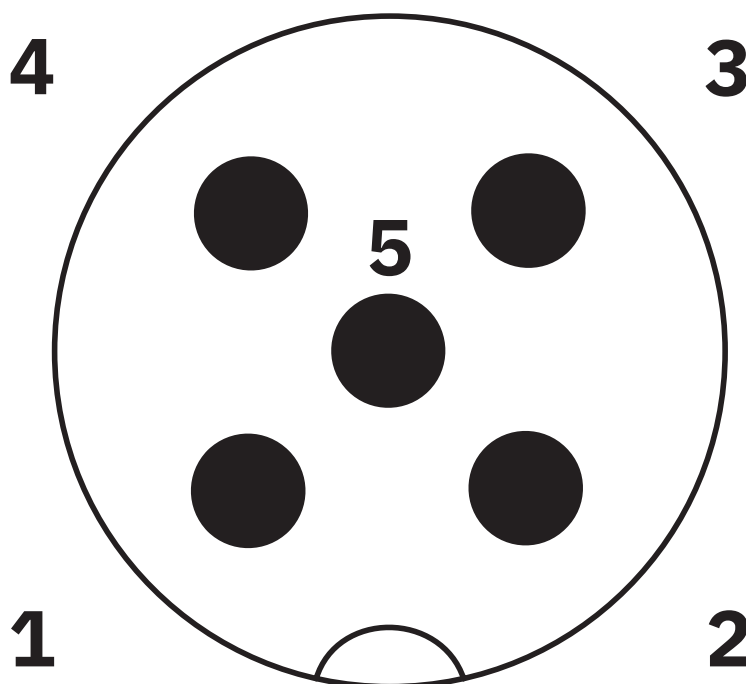
SACC-E-M12MS-5CON-M16 PSCUP - Device connector front mounting

1436398

<https://www.phoenixcontact.com/us/products/1436398>

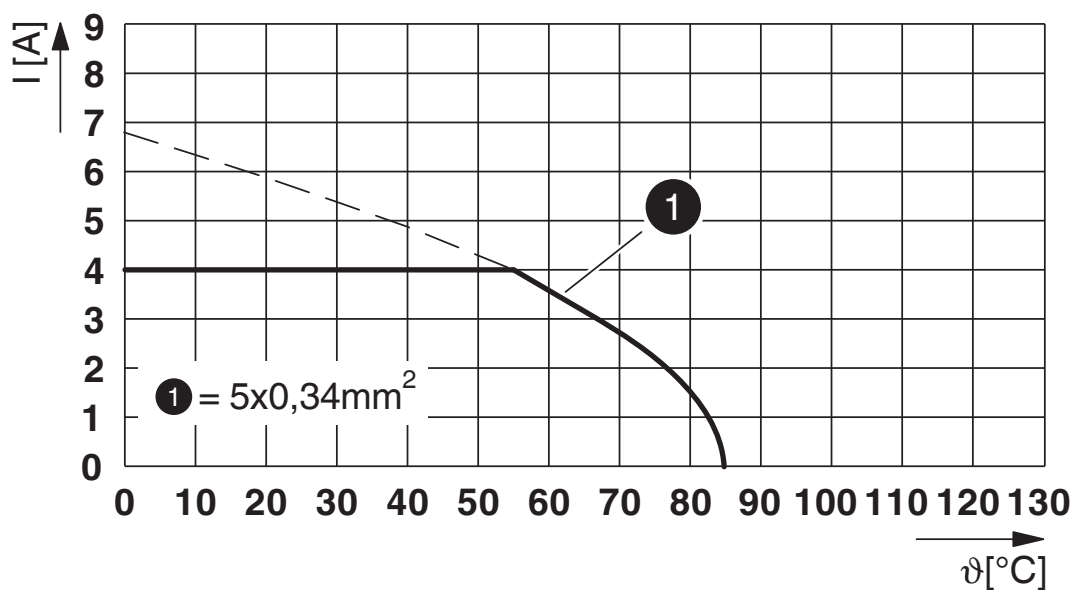
Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Diagram



I = current strength, T = ambient temperature

SACC-E-M12MS-5CON-M16 PSCUP - Device connector front mounting



1436398

<https://www.phoenixcontact.com/us/products/1436398>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1436398>



cULus Recognized

Approval ID: E221474-20070307

SACC-E-M12MS-5CON-M16 PSCUP - Device connector front mounting



1436398

<https://www.phoenixcontact.com/us/products/1436398>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
----------	----------

UNSPSC

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

SACC-E-M12MS-5CON-M16 PSCUP - Device connector front mounting



1436398

<https://www.phoenixcontact.com/us/products/1436398>

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	68a7d48f-12c7-44d0-838c-f61733639c95

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