

SACC-CI-M12MS- 5CON-TOR 32 - Contact carrier



1457526

<https://www.phoenixcontact.com/us/products/1457526>

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.



Contact carrier, 5-position, Pin, straight, M12, A-coding, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in

Commercial data

Item number	1457526
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQAGN
GTIN	4046356617277
Weight per piece (including packing)	6.42 g
Weight per piece (excluding packing)	2.525 g
Customs tariff number	85366930
Country of origin	DE

SACC-CI-M12MS- 5CON-TOR 32 - Contact carrier

1457526

<https://www.phoenixcontact.com/us/products/1457526>



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

Product properties

Product type	Contact insert
Application	Signal
Number of positions	5
Seal present	yes
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

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

Connection method	THR solder connection
-------------------	-----------------------

Material specifications

Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Ni/Au
Material Seal	FKM / EPDM
Flammability rating according to UL 94	V0

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12

SACC-CI-M12MS- 5CON-TOR 32 - Contact carrier



1457526

<https://www.phoenixcontact.com/us/products/1457526>

Coding

A

Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation) -25 °C ... 85 °C (Cable, flexible installation)
---------------------------------	---

Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions	
Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67 (correctly plugged in and locked)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 85 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 85 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

SACC-CI-M12MS- 5CON-TOR 32 - Contact carrier

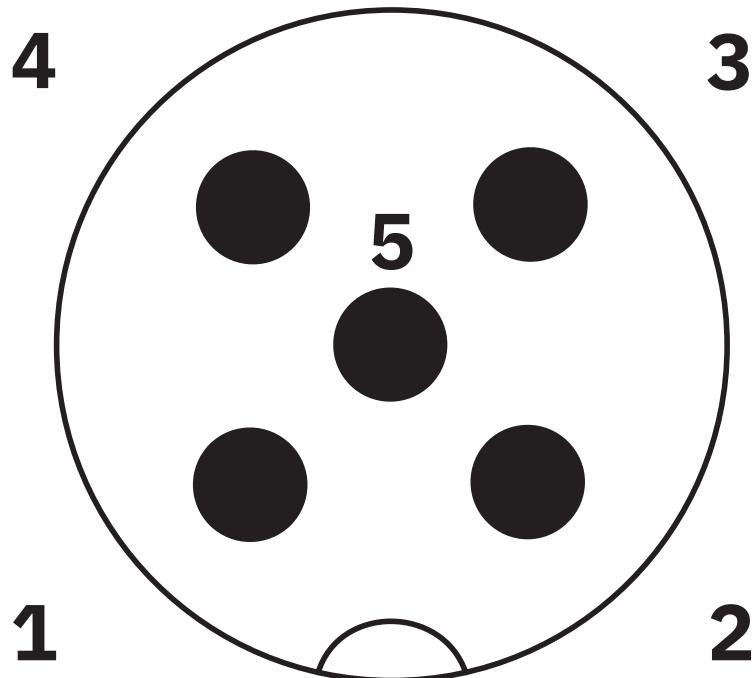
1457526

<https://www.phoenixcontact.com/us/products/1457526>



Drawings

Schematic diagram



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

SACC-CI-M12MS- 5CON-TOR 32 - Contact carrier

1457526

<https://www.phoenixcontact.com/us/products/1457526>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1457526>

cUL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	60 V	4 A	22	-

UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	60 V	4 A	22	-

cULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	60 V	4 A	-	-

SACC-CI-M12MS- 5CON-TOR 32 - Contact carrier

1457526

<https://www.phoenixcontact.com/us/products/1457526>



Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 9.0	EC003557
----------	----------

UNSPSC

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

SACC-CI-M12MS- 5CON-TOR 32 - Contact carrier

1457526

<https://www.phoenixcontact.com/us/products/1457526>



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