

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513
<https://www.phoenixcontact.com/us/products/1457513>

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, Ethernet/PROFINET CAT5 (100 Mbps), 4-position, Pin, straight, M12, coding: D, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239828

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	1457513
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQAGB
Catalog page	Page 257 (C-2-2013)
GTIN	4046356616263
Weight per piece (including packing)	7.01 g
Weight per piece (excluding packing)	7.01 g
Customs tariff number	85366930
Country of origin	DE

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

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
Sensor type	Ethernet/PROFINET
Number of positions	4
Seal present	yes
Shielded	yes
Coding	D
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	250 V
Nominal current I_N	4 A
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

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

Interfaces

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
----------------------	----------------------------------

Material specifications

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

Connector

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Coding	D

Cable/line

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
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)
	IP67, when plugged in
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

Mounting

Mounting type	PCB mounting
---------------	--------------

Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier

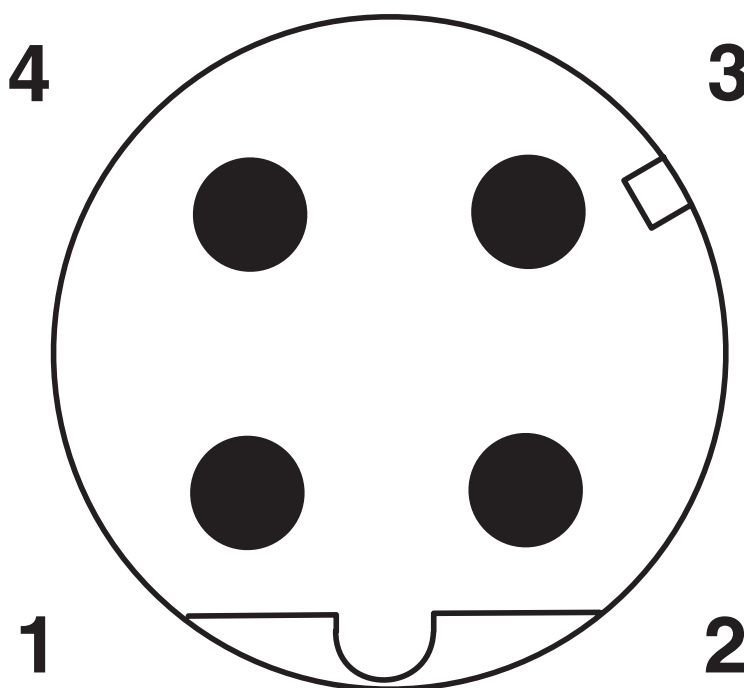


1457513

<https://www.phoenixcontact.com/us/products/1457513>

Drawings

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513
<https://www.phoenixcontact.com/us/products/1457513>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1457513>

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

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

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

cULus Recognized				
------------------	--	--	--	--

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513
<https://www.phoenixcontact.com/us/products/1457513>

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-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513
<https://www.phoenixcontact.com/us/products/1457513>

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%

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

Accessories

PROT-M12 FS - Sealing cap

1560251

<https://www.phoenixcontact.com/us/products/1560251>



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

PROT-M12 FS-M - Sealing cap

1430488

<https://www.phoenixcontact.com/us/products/1430488>



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

SACC-CIM12MSD4PL180THRSAMPLE - Contact carrier

1413550

<https://www.phoenixcontact.com/us/products/1413550>



Bus system flush-type plug, Ethernet, 4-pos., D-coded, with straight THR solder connection, only contact insert

SACC-M12-SCO PLUG - Housing screw connection

1551493

<https://www.phoenixcontact.com/us/products/1551493>



Housing screw connection, Pin, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237430

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

SACC-DSIV-M12-PLUG - Housing screw connection

1416145

<https://www.phoenixcontact.com/us/products/1416145>



Housing screw connection, Pin, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239108

SACC-M12-SCO PLUG L90 - Housing screw connection

1436709

<https://www.phoenixcontact.com/us/products/1436709>



Housing screw connection, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239632

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

SACC-BP-M-M12/M15-6-THR - Housing screw connection

1413997

<https://www.phoenixcontact.com/us/products/1413997>



Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239050

SACC-BP-M-M12/M15-7-THR - Housing screw connection

1413996

<https://www.phoenixcontact.com/us/products/1413996>



Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239049

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

SACC-BP-M-M12/M15-6-THR SCO - Housing screw connection

1413999

<https://www.phoenixcontact.com/us/products/1413999>



Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239052

SACC-BP-M-M12/M15-7-THR SCO - Housing screw connection

1413998

<https://www.phoenixcontact.com/us/products/1413998>



Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239051

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

SACC-M12 PLUG PRESS - Housing screw connection

1437892

<https://www.phoenixcontact.com/us/products/1437892>



Housing screw connection, Pin, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239688

SACC-DSIV-M12-PLUG-9 THR - Housing screw connection

1417984

<https://www.phoenixcontact.com/us/products/1417984>



Housing screw connection, Pin, M12, Rear mounting, M14 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239180

SACC-CI-M12MSD- 4CON-SH TOR 32 - Contact carrier



1457513

<https://www.phoenixcontact.com/us/products/1457513>

SACC-BP-M-M12-THR PP - Housing screw connection

1027661

<https://www.phoenixcontact.com/us/products/1027661>



Housing screw connection, Pin, M12-Push-pull external locking, Rear mounting, M15 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

SACC-FP-M-M12-THR PP - Housing screw connection

1027679

<https://www.phoenixcontact.com/us/products/1027679>



Housing screw connection, Pin, M12-Push-pull external locking, Front mounting, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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