

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 |

Data management status

| | |
|------------------|----|
| Article revision | 12 |
|------------------|----|

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 |

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



1457513

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

Contact carrier material

PA 6.6

Connector

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

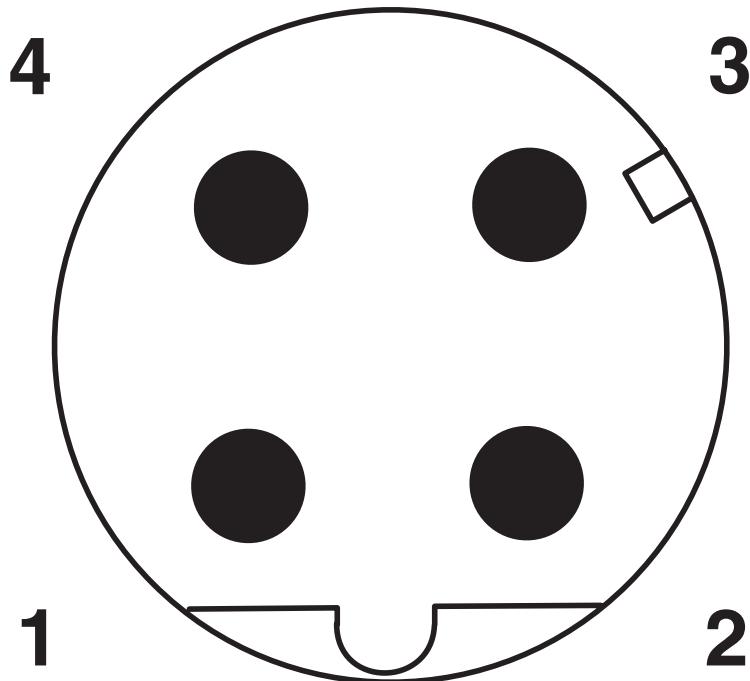


1457513

<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% |
|-------------------------------------|----------------------------|

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