# SACC-CI-FS-5CON-L 90 SH SCO - Contact carrier

1432431

https://www.phoenixcontact.com/us/products/1432431

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Contact carrier, 5-position, Socket, angled, M12, A-coding, Wave soldering, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Your advantages

- Reduced mounting costs thanks to two-piece device connector
- 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 | 1432431 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB23 |
| Product key | ABQAHG |
| GTIN | 4046356410762 |
| Weight per piece (including packing) | 5.422 g |
| Weight per piece (excluding packing) | 3.712 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

# 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 |
| No. of control contacts | 5 |
| Seal present | yes |
| Shielded | yes |
| Coding | A |
| Thread type | M12 |

### Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

## Electrical properties

| | |
|---|---|
| Rated surge voltage | 1.5 kV |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage $U_N$ | 60 V |
| Nominal current $I_N$ | 4 A |

## Connection data

| | |
|---|---|
| Connection method | Wave soldering |

## Material specifications

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

## Connector

### Connection 1

| | |
|---|---|
| Head design | Socket |
| Head cable outlet | angled |

| | |
|---|---|
| Head thread type | M12 |
| Coding | A |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | > 100 |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C |
| | -40 °C ... 85 °C (without mechanical actuation) |

## Standards and regulations

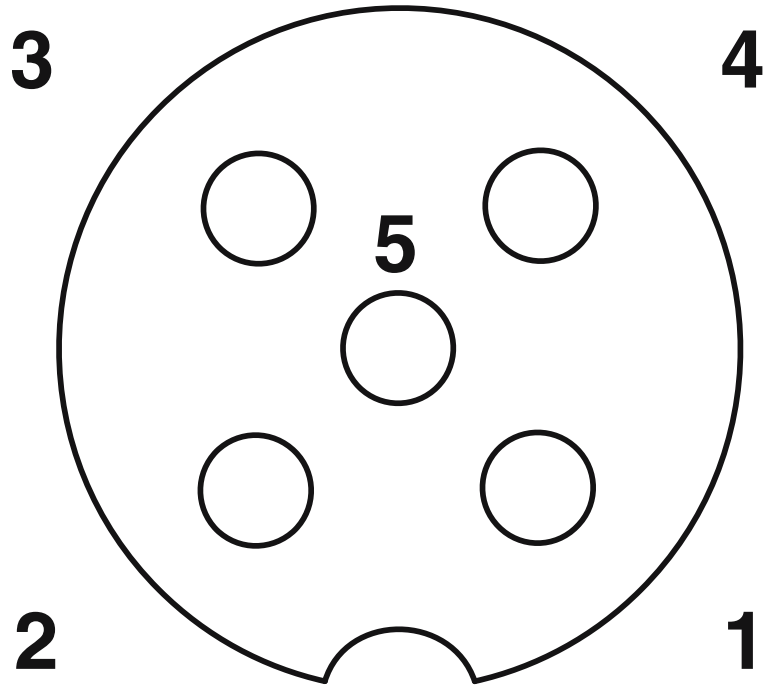
| | |
|---|---|
| Standard designation | M12 circular connector |
| Standards/specifications | according to IEC 61076-2-101 |

## Packaging specifications

| | |
|---|---|
| Type of packaging | Blister |

## Drawings

Schematic diagram




Pin assignment M12 socket, 5-pos., A-coded, socket side view

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1432431

**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 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440223 |
| ECLASS-15.0 | 27440223 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003557 |

### UNSPSC

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

## 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 | 1abbd3d7-a572-452a-81e1-91c4e866aa0d |


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