# SACC-DSIV-FS-8CON-L90 SH SCO - Device connector front mounting

1437025

https://www.phoenixcontact.com/us/products/1437025

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.



Device connector front mounting, 8-position, Socket, angled, M12-SPEEDCON, A-coding, THR and 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

## Commercial data

| | |
|---|---|
| Item number | 1437025 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB26 |
| Product key | ABQEHA |
| GTIN | 4046356438599 |
| Weight per piece (including packing) | 14.119 g |
| Weight per piece (excluding packing) | 10.804 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

# Technical data

## Notes

| | |
|---|---|
| Order information: | Lock nut is included in the scope of delivery |

## Mounting

| | |
|---|---|
| Mounting type | Front mounting (M12 x 1) |

## Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Number of positions | 8 |
| Shielded | yes |
| Coding | A |
| Thread type | M12 |

### Insulation characteristics

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

## Material specifications

| | |
|---|---|
| Material Housing | GD-Zn |
| Material Housing surface | Ni |
| Material Insulating body | PA 6.6 |
| Material Contact | Cu alloy |
| Material Contact surface | Au |
| Material Seal | NBR |
| Flammability rating according to UL 94 | HB |

## Electrical properties

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

## Connection data

### Conductor connection

| | |
|---|---|
| Connection method | THR and wave soldering |
| Contact connection type | Socket |

## Connector

### Connection 1

| | |
|---|---|
| Head design | Socket |

| | |
|---|---|
| Head cable outlet | angled |
| Head thread type | M12 |
| Head locking type | SPEEDCON |
| Coding | A |

## Environmental and real-life conditions

Ambient conditions

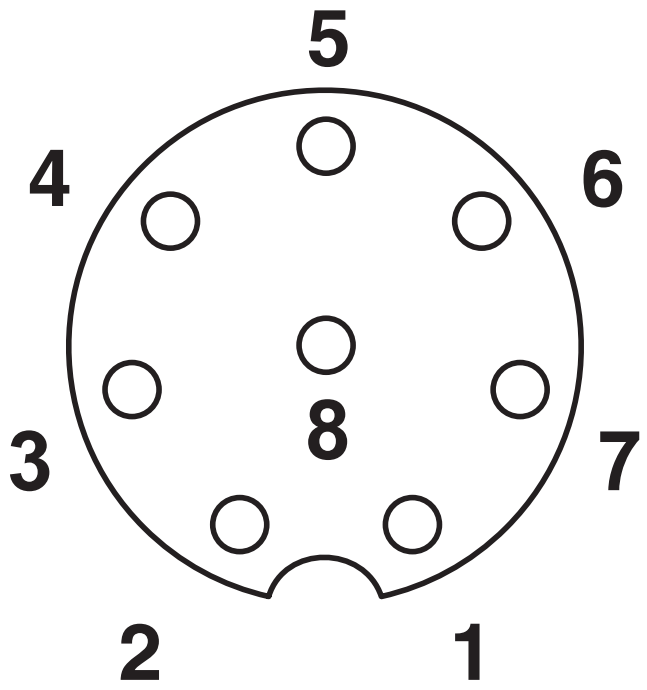
| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug / socket) |

## Standards and regulations

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

## Drawings

Schematic diagram




Pin assignment M12 socket, 8-pos., A-coded, view female side

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1437025

**UL Recognized**
Approval ID: E118976-20100522

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 30 V | 2 A | 24 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440110 |
| ECLASS-15.0 | 27440110 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003568 |

### 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 | d9fffe08-41fc-4033-adcb-c06e207cbc8d |


Phoenix Contact 2026 © - 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