

# SACC-DSIV-FSD-4CON-L90 SCO - Device connector front mounting



1436550

<https://www.phoenixcontact.com/us/products/1436550>

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Device connector front mounting, 4-position, Socket, angled, M12-SPEEDCON, D-coding, THR and wave soldering, this item is expected to be lead-free from Q2 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                          | 1436550       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB26          |
| Product key                          | ABQEHI        |
| GTIN                                 | 4046356438612 |
| Weight per piece (including packing) | 13.643 g      |
| Weight per piece (excluding packing) | 10.265 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Mounting

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

### Product properties

|                     |                                   |
|---------------------|-----------------------------------|
| Product type        | Circular connectors (device side) |
| Application         | Data                              |
|                     | Signal                            |
| Number of positions | 4                                 |
| Shielded            | no                                |
| Coding              | D                                 |
| 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                       | CuZn   |
| Material Contact surface               | Au     |
| Material Seal                          | NBR    |
| Flammability rating according to UL 94 | V0     |

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| 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                        |

### Connection data

#### Conductor connection

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

### Connector

#### Connection 1

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

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|                   |          |
|-------------------|----------|
| Head thread type  | M12      |
| Head locking type | SPEEDCON |
| Coding            | D        |

## Environmental and real-life conditions

### Ambient conditions

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

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## Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., D-coded, female side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1436550>

|  <b>UL Recognized</b><br>Approval ID: E118976-20100522 |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                         | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                   |                       |                       |                   |                             |
|                                                                                                                                         | 250 V                 | 4 A                   | 22                | -                           |

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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                                | 3abd4122-af42-494e-a2a8-9f8ecfa9c58e |

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