

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



1437025

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

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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 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                          | 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            |

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## 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    | $\leq 3 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| 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 |
|-------------|--------|

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

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## Drawings

Schematic diagram



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

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## Approvals

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

|  <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   |  |                       |                       |                   |                             |
|   |  | 30 V                  | 2 A                   | 24                | -                           |

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

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