

# SACC-DSI-FS-5CON-L180/SH BU - Device connector rear mounting



1457940

<https://www.phoenixcontact.com/us/products/1457940>

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Device connector rear mounting, 5-position, Socket, straight, M12-SPEEDCON, coding: A, Rear mounting, M16 x 1.5, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239852

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing by means of shield contact

## Commercial data

|                                      |                   |
|--------------------------------------|-------------------|
| Item number                          | 1457940           |
| Packing unit                         | 20 pc             |
| Minimum order quantity               | 20 pc             |
| Sales key                            | AB26              |
| Product key                          | ABQEHB            |
| Catalog page                         | Page 62 (PC-2011) |
| GTIN                                 | 4046356632706     |
| Weight per piece (including packing) | 14.53 g           |
| Weight per piece (excluding packing) | 14.53 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 | Rear mounting M16 x 1.5 With flat nut |
| Assembly note | With flat nut                         |

### Product properties

|                     |                                   |
|---------------------|-----------------------------------|
| Product type        | Circular connectors (device side) |
| Number of positions | 5                                 |
| Shielded            | yes                               |
| Coding              | A                                 |
| Thread type         | M12                               |

### Insulation characteristics

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

### Dimensions

|                          |      |
|--------------------------|------|
| Length of the solder pin | 6 mm |
|                          | 6 mm |

### Material specifications

|  |                              |
|--|------------------------------|
| Flammability rating according to UL 94 | V0                           |
| Seal material                          | FKM                          |
| Contact material                       | CuZn                         |
| Contact surface material               | Au                           |
| Contact carrier material               | PA 6.6                       |
| Material for screw connection          | Zinc die-cast, nickel-plated |

### 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       | Solder pins |
| Contact connection type | Socket      |

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## Connector

### Connection 1

|                   |          |
|-------------------|----------|
| Head design       | Socket   |
| Head cable outlet | straight |
| Head thread type  | M12      |
| Head locking type | SPEEDCON |
| Coding            | A        |

## Environmental and real-life conditions

### Ambient conditions

|                      |                        |
|----------------------|------------------------|
| Degree of protection | IP67 (When plugged in) |
|                      | IP65 (When plugged in) |
|                      | IP65/IP67              |

Ambient temperature (operation) -25 °C ... 85 °C (Plug / socket)

## Standards and regulations

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

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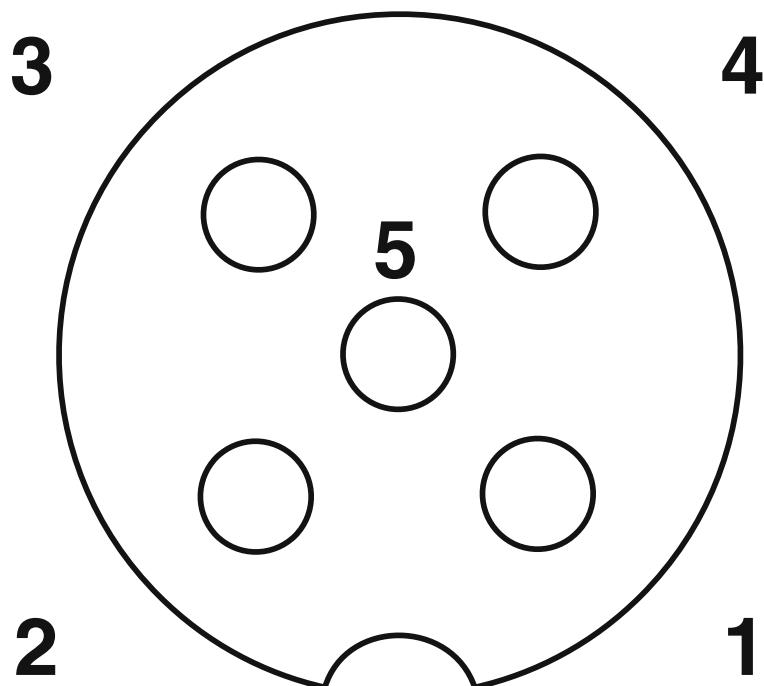


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## Drawings

Schematic diagram



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

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1457940>

|  <b>cULus Recognized</b><br>Approval ID: E221474-20140616 |                       |                       |                   |                      |
|--|-----------------------|-----------------------|-------------------|----------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|  | 60 V                  | 4 A                   | -                 | -                    |

|  <b>UL Recognized</b><br>Approval ID: E118976-20100522 |                       |                       |                   |                      |
|---|-----------------------|-----------------------|-------------------|----------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|   | 60 V                  | 4 A                   | 22 - 22           | -                    |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002635 |
|----------|----------|

### 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<br><br>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                                | 76dac4eb-6069-4f4e-ab55-0ac8f61e1991 |

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