

SACC-DSIV-FS-8CON-L180-THR SH - Device  
connector rear mounting



1557549  
<https://www.phoenixcontact.com/us/products/1557549>

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Device connector rear mounting, 8-position, Socket, straight, M12-SPEEDCON, coding: A, Rear mounting, M12 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240052

Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 1557549            |
| Packing unit                         | 60 pc              |
| Minimum order quantity               | 60 pc              |
| Sales key                            | AB23               |
| Product key                          | ABQAIA             |
| Catalog page                         | Page 90 (C-2-2013) |
| GTIN                                 | 4046356284066      |
| Weight per piece (including packing) | 11.73 g            |
| Weight per piece (excluding packing) | 10.575 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 M12 x 1 With flat nut |
| Assembly instructions | With flat nut                       |

### Product properties

|                     |                                   |
|---------------------|-----------------------------------|
| Product type        | Circular connectors (device side) |
| Number of positions | 8                                 |
| Shielded            | no                                |
| Coding              | A                                 |
| Thread type         | M12                               |

### Insulation characteristics

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

### Material specifications

|                                        |                              |
|----------------------------------------|------------------------------|
| Flammability rating according to UL 94 | HB                           |
| Seal material                          | NBR                          |
| Contact material                       | Cu alloy                     |
| 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       | THR solder connection |
| Contact connection type | Socket                |

### Connector

#### Connection 1

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

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|                   |          |
|-------------------|----------|
| 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                             |
|                                 | IP67                             |
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |

## Standards and regulations

### M12

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

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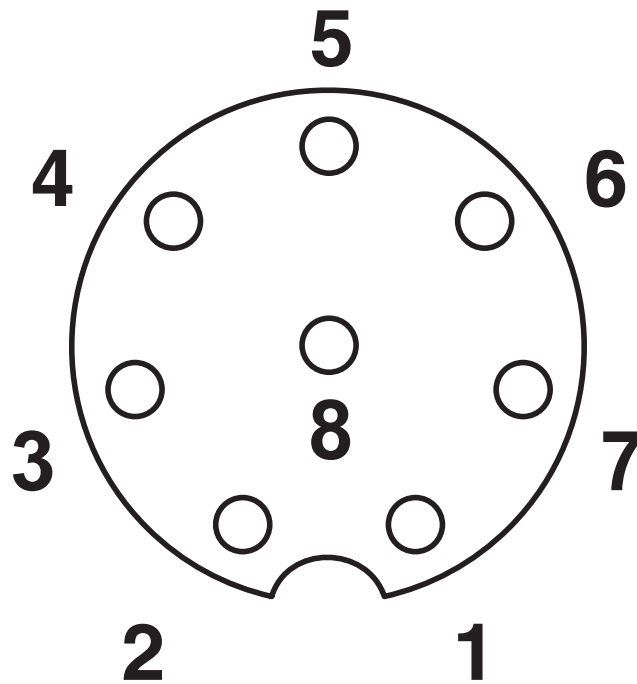


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## Drawings

Schematic diagram



Pin assignment M12 socket, 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/1557549>

|                                                                                   |                                                       |                       |                   |                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|-------------------|-----------------------------|
|  | <b>UL Recognized</b><br>Approval ID: E118976-20100522 |                       |                   |                             |
|                                                                                   | Nominal voltage $U_N$                                 | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                   | 30 V                                                  | 2 A                   | 24 - 24           | -                           |

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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                                                                                                                                                                                                                           |
|                                        | 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                                | b8f96236-fb98-4fba-8e8e-ad9d5ad26a7d |

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