

SACC-DSIV-M12MS-5CON-L 90 SH - Device  
connector rear mounting



1440054  
<https://www.phoenixcontact.com/us/products/1440054>

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Device connector rear mounting, 5-position, Pin, angled, M12, A-coding, Wave soldering



Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1440054       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 20 pc         |
| Sales key                            | AB23          |
| Product key                          | ABQEGA        |
| GTIN                                 | 4046356478656 |
| Weight per piece (including packing) | 12.1 g        |
| Weight per piece (excluding packing) | 11.91 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Mounting

|               |                                           |
|---------------|-------------------------------------------|
| Mounting type | Rear mounting (M12 x 1, with locking 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  |

### Material specifications

|                                        |        |
|----------------------------------------|--------|
| Material Housing                       | CuZn   |
| 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 | HB     |

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Contact resistance    | $\leq 5 \text{ m}\Omega$   |
| 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       | Wave soldering |
| Contact connection type | Pin            |

### Connector

#### Connection 1

|                   |        |
|-------------------|--------|
| Head design       | Pin    |
| Head cable outlet | angled |
| Head thread type  | M12    |
| Coding            | A      |

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## Environmental and real-life conditions

### Ambient conditions

|                                                                   |                          |
|-------------------------------------------------------------------|--------------------------|
| Degree of protection                                              | IP67                     |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C         |
| UL Type Rating                                                    | Type 4 (indoor use only) |

## Standards and regulations

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

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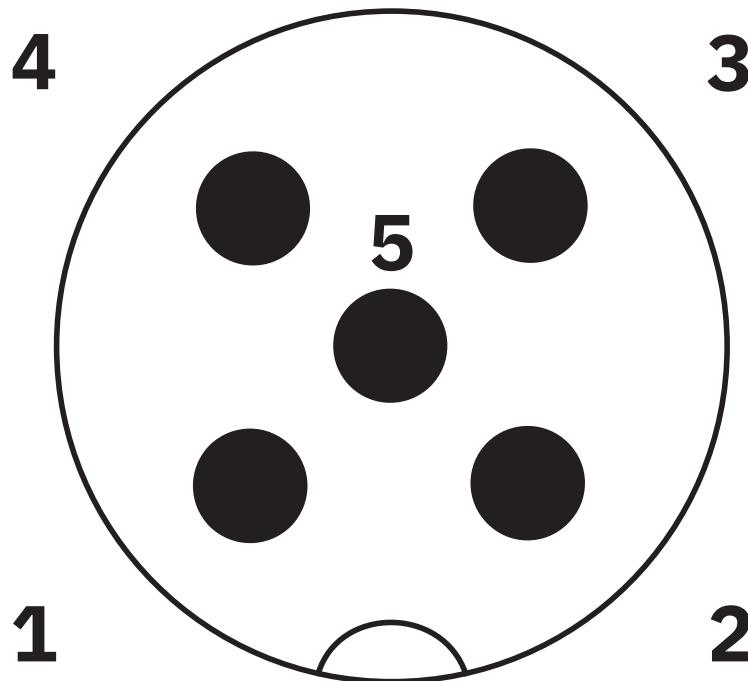


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## Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1440054>

|                                                                                                                                       |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Recognized</b><br>Approval ID: FILE E 221474 |                       |                       |                   |                             |
|                                                                                                                                       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                 |                       |                       |                   |                             |
|                                                                                                                                       | 60 V                  | 4 A                   | -                 | -                           |

|                                                                                                                                      |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Recognized</b><br>Approval ID: FILE E 221474 |                       |                       |                   |                             |
|                                                                                                                                      | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                |                       |                       |                   |                             |
|                                                                                                                                      | 60 V                  | 4 A                   | -                 | -                           |

|                                                                                                                                           |                       |                       |                   |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Recognized</b><br>Approval ID: E221474-20070307 |                       |                       |                   |                             |
|                                                                                                                                           | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                     |                       |                       |                   |                             |
|                                                                                                                                           | 60 V                  | 4 A                   | -                 | -                           |

|                                                                                                                                            |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Recognized</b><br>Approval ID: E221474-20070307 |                       |                       |                   |                             |
|                                                                                                                                            | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                            | 60 V                  | 4 A                   | -                 | -                           |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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                                | 5fa1a416-df7a-4d16-8dcb-57a5db1accf0 |

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