

# SACC-DSI-M8FS-6CON-M10-L90 SH - Device connector rear mounting



1424243

<https://www.phoenixcontact.com/us/products/1424243>

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Device connector rear mounting, 6-position, Socket, angled, M8, A-coding, Wave soldering



## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing and latching on the PCB

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1424243       |
| Packing unit                         | 20 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB22          |
| Product key                          | ABQJAB        |
| GTIN                                 | 4046356712552 |
| Weight per piece (including packing) | 7.062 g       |
| Weight per piece (excluding packing) | 7.062 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Mounting

|                   |                                     |
|-------------------|-------------------------------------|
| Mounting type     | Rear mounting (M10, with flat nut)  |
| Tightening torque | 1 Nm ... 1.5 Nm (Installation-side) |

### Product properties

|                     |                                   |
|---------------------|-----------------------------------|
| Product type        | Circular connectors (device side) |
| Application         | Data                              |
| Number of positions | 6                                 |
| Shielded            | yes                               |
| Coding              | A                                 |
| Thread type         | M8                                |

### 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

|                       |                            |
|-----------------------|----------------------------|
| Rated surge voltage   | 0.8 kV                     |
| Contact resistance    | $\leq 3 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 30 V AC<br>30 V DC         |
| Nominal current $I_N$ | 1.5 A                      |

### Connection data

#### Conductor connection

|                         |                                     |
|-------------------------|-------------------------------------|
| Connection method       | Wave soldering                      |
| Contact connection type | Socket                              |
| Tightening torque       | 1 Nm ... 1.5 Nm (Installation-side) |

### Mechanical properties

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## Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 100 |
|-----------------------------|-------|

## Connector

### Connection 1

|                   |        |
|-------------------|--------|
| Head design       | Socket |
| Head cable outlet | angled |
| Head thread type  | M8     |
| Coding            | A      |

## Environmental and real-life conditions

### Ambient conditions

|   |                  |
|---|------------------|
| Degree of protection  | IP67             |
| Ambient temperature (operation) (male connector/female connector) | -40 °C ... 85 °C |
| Ambient temperature (operation)                                   | -25 °C ... 85 °C |

## Standards and regulations

|                          |                              |
|--------------------------|------------------------------|
| Standard designation     | M8 circular connector        |
| Standards/specifications | according to IEC 61076-2-104 |

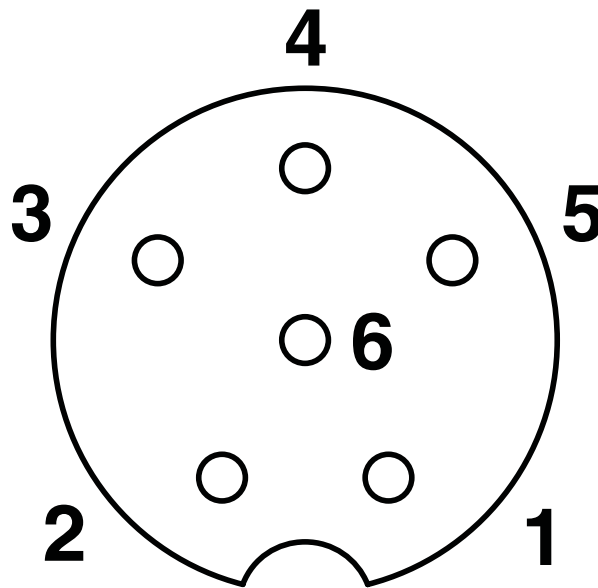
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## Drawings

Schematic diagram



Pin assignment M8 socket, 6-pos.

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424243>

|  <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  |                       |                       |                   |                             |
|  | 30 V                  | 1.5 A                 | 26                | -                           |

|  <b>UL Recognized</b><br>Approval ID: E221474-20070307 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
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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                                | b0ee53d5-5a5e-4415-8a06-1b6c9ff6d6be |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 2.299 kg CO2e |
|---------|---------------|

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