

# SACC-DSI-M8FS-8CON-M10-L180 - Device connector rear mounting



1424237

<https://www.phoenixcontact.com/us/products/1424237>

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Device connector rear mounting, 8-position, Socket, straight, 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                          | 1424237       |
| Packing unit                         | 20 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB22          |
| Product key                          | ABQJAG        |
| GTIN                                 | 4046356712491 |
| Weight per piece (including packing) | 6.575 g       |
| Weight per piece (excluding packing) | 6.42 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) |
| Number of positions | 8                                 |
| Shielded            | no                                |
| 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                       | CuSn   |
| Material Contact surface               | Au     |
| 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                    |
|                       | 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

#### Mechanical data

|                             |            |
|-----------------------------|------------|
| Insertion/withdrawal cycles | $\geq 100$ |
|-----------------------------|------------|

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## Connector

### Connection 1

|                   |          |
|-------------------|----------|
| Head design       | Socket   |
| Head cable outlet | straight |
| 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 |

## Standards and regulations

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

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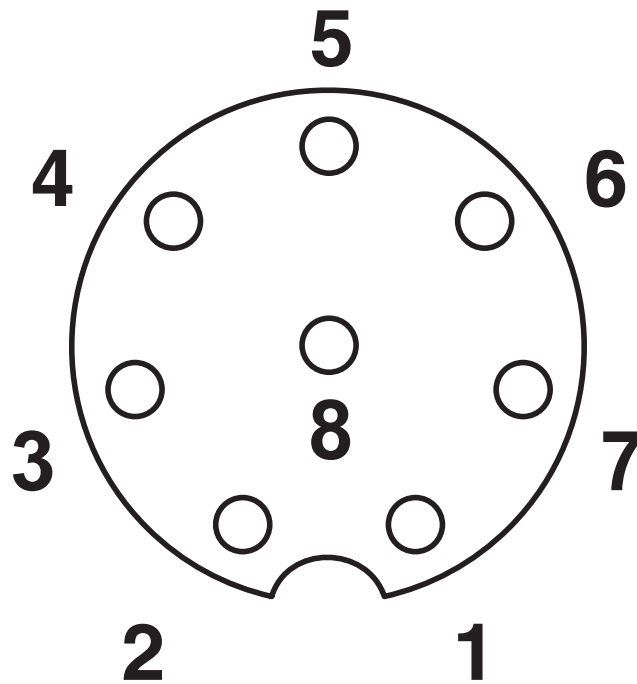


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## Drawings

Schematic diagram



Connector pin assignment of M8 socket, 8-pos., view of socket side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424237>

|                                                                                                                                          |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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 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                                | a2f18515-48eb-45f8-9a9a-d82dfe7e033d |

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