

SACC-DSI-M8FS-4CON-M10-L180 SH - Device connector rear mounting



1456129

<https://www.phoenixcontact.com/us/products/1456129>

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Device connector rear mounting, 4-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 | 1456129 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB22 |
| Product key | ABQJAB |
| GTIN | 4046356605762 |
| Weight per piece (including packing) | 6.56 g |
| Weight per piece (excluding packing) | 6.465 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|--|
| Notes on operation | The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
|--------------------|--|

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 | 4 |
| 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 | 1.5 kV |
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 48 V AC |
| | 60 V DC |
| Nominal current I_N | 4 A |

Connection data

Conductor connection

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

Mechanical properties

Mechanical data

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

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) | -25 °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 |

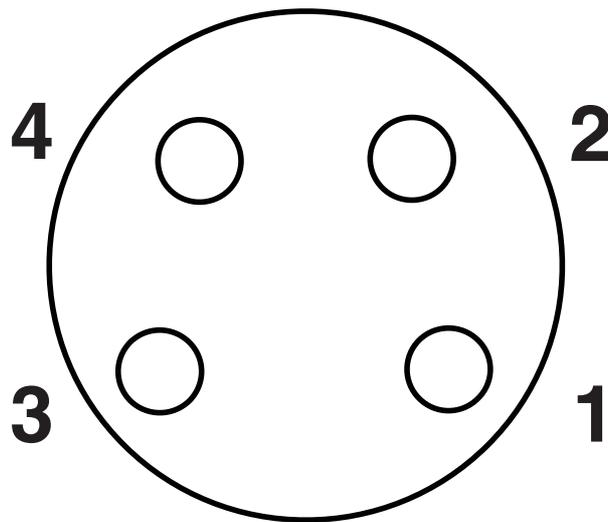
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Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1456129>

|  cUL Recognized Approval ID: E221474-20070307 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 30 V | 4 A | 24 | - |

|  UL Recognized Approval ID: E221474-20070307 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
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| | 30 V | 4 A | 24 | - |

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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 | 5de401fd-7ac1-4799-a5cc-9048c4ff7bcb |

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