

SACC-DSI-M8MS-8CON-M8-L180 - Device connector rear mounting



1424238

<https://www.phoenixcontact.com/us/products/1424238>

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Device connector rear mounting, Universal, 8-position, Pin, 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 | 1424238 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB22 |
| Product key | ABQJAA |
| GTIN | 4046356712507 |
| Weight per piece (including packing) | 5.973 g |
| Weight per piece (excluding packing) | 5.83 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Mounting

| | |
|-------------------|---------------------------------------|
| Mounting type | Rear mounting (M8 x 1, with flat nut) |
| Tightening torque | 1 Nm ... 1.5 Nm (Installation-side) |

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Sensor type | Universal |
| 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 |
| 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 30 V DC |
| Nominal current I_N | 1.5 A |

Connection data

Conductor connection

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

Connector

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Connection 1

| | |
|-------------------|----------|
| Head design | Pin |
| Head cable outlet | straight |
| Head thread type | M8 |
| Coding | A |

Cable/line

| | |
|----------------------|-----------|
| Signal type/category | Universal |
|----------------------|-----------|

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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Drawings

Schematic diagram



M8 plug pin assignment, 8-pos., view of pin side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424238>

|  cUL Recognized Approval ID: E221474-20070307 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 30 V | 1.5 A | 26 | - |

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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 | 5963a283-385c-4ecb-923a-0ea465b07809 |

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