

Device connector, rear mounting - SACC-DSI-M8FS-4CON-M10/0,5 - 1456093

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Device connector, rear mounting, 4-position, Socket, straight, M8, Rear mounting, M10, Individual wires, cable length: 0.5 m, 0.25 mm², PVC litz wire

Your advantages

- ✓ Pre-assembled with litz wires for immediate use
- ✓ Customer-specific assemblies and litz wire lengths available
- ✓ Sealed on the litz wire side for optimum leak-tightness
- ✓ Standard pin assignments and codings for signal transmission with a uniform design-in design



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 605892 |
| GTIN | 4046356605892 |
| Weight per Piece (excluding packing) | 13.200 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 0.5 m |
|-----------------|-------|

Ambient conditions

| | |
|---------------------------------|---------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Socket) |
| | -25 °C ... 85 °C (Socket) |

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Technical data

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

General

| | |
|-----------------------|-------------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 48 V AC |
| | 60 V DC |
| Rated surge voltage | 1.5 kV |
| Number of positions | 4 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Connection method | Individual wires |
| Torque | 1 Nm ... 1.5 Nm (Installation-side) |
| Mounting type | Rear mounting M10 With flat nut |
| Thread type | M10 |

Material

| | |
|--|------------------------------|
| Flammability rating according to UL 94 | HB |
| Contact material | Cu alloy |
| Contact surface material | Au |
| Contact carrier material | PUR / PA 6.6 |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | Viton |
| Additional material specifications | EP (Grout material) |

Cable

| | |
|------------------------------------|---------------------------|
| Cable type | PVC litz wire |
| Conductor cross section | 0.25 mm ² |
| AWG signal line | 24 |
| Conductor structure signal line | 7x 0.20 mm |
| Core diameter including insulation | 1.5 mm ±0.1 mm |
| Thickness, insulation | 0.21 mm |
| Wire colors | brown, white, blue, black |
| Material conductor insulation | PVC / UL |
| Conductor material | Tin-plated Cu litz wires |

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Technical data

Cable

| | |
|---------------------------------|--|
| Standards/specifications | M8 connector IEC 61076-2-104 |
| Insulation resistance | $\geq 20 \text{ M}\Omega \cdot \text{km}$ |
| Conductor resistance | $\geq 80 \text{ }\Omega/\text{km}$ |
| Nominal voltage, cable | 450 V |
| Test voltage, cable | 2500 V (Test duration: 1 minute) |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation) |
| | -10 °C ... 105 °C (cable, flexible installation) |

Standards and Regulations

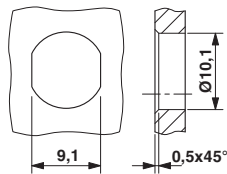
| | |
|--|------------------------------|
| Standards/specifications | M8 connector IEC 61076-2-104 |
| Flammability rating according to UL 94 | HB |

Environmental Product Compliance

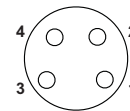
| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 25; |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Dimensional drawing



Schematic diagram

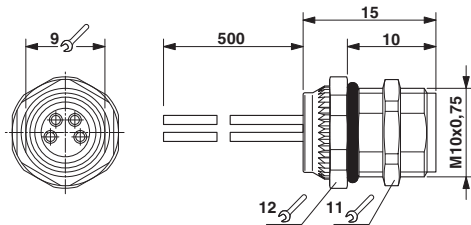


Pin assignment M8 socket, 4-pos., view female side

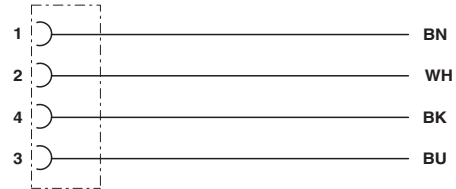
Mounting panel with feed-through hole

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Dimensional drawing



Circuit diagram



M8 flush-type socket

Contact assignment of M8 plugs/sockets

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 11.0 | 27440102 |
| eCl@ss 4.0 | 27140800 |
| eCl@ss 4.1 | 27140800 |
| eCl@ss 5.0 | 27143400 |
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27440103 |
| eCl@ss 9.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002061 |
| ETIM 6.0 | EC002061 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 39121413 |
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

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Approvals

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|----------------------------|--|---|---------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| | | | |
| Nominal voltage UN | | 30 V | |
| Nominal current IN | | 4 A | |
| mm ² /AWG/kcmil | | 24 | |

| | | | |
|----------------------------|--|---|---------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
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| Nominal voltage UN | | 30 V | |
| Nominal current IN | | 4 A | |
| mm ² /AWG/kcmil | | 24 | |

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|-----|--|---------|
| EAC | | B.01687 |
|-----|--|---------|

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| cULus Recognized | |
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