

## Flush-type connector - SACC-DSI-M8FS-6CON-M10/0,5 - 1456103

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Sensor/actuator flush-type socket, 6-pos., M8, rear/screw mounting with M10 fastening thread, with 0.5 m TPE litz wire, 6 x 0.14 mm<sup>2</sup>

### Why buy this product

- 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         |               |
| GTIN         | 4046356605885 |

### Technical data

#### Dimensions

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

#### Ambient conditions

|                                 |                           |
|---------------------------------|---------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Socket) |
| Degree of protection            | IP67                      |

#### General

|                       |              |
|-----------------------|--------------|
| Rated current at 40°C | 1.5 A        |
| Rated voltage         | 30 V AC      |
|                       | 30 V DC      |
| Number of positions   | 6            |
| Insulation resistance | ≥ 100 MΩ     |
| Coding                | A - standard |

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## Technical data

### General

|                       |                              |
|-----------------------|------------------------------|
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display        | No                           |
| Overvoltage category  | II                           |
| Degree of pollution   | 3                            |
| Connection method     | Individual wires             |
| Mounting type         | Rear mounting 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                        |

### Cable

|                                    |                                               |
|------------------------------------|-----------------------------------------------|
| Cable type                         | PVC litz wire                                 |
| Conductor cross section            | 0.14 mm <sup>2</sup>                          |
| AWG signal line                    | 26                                            |
| Conductor structure signal line    | 7x 0.16 mm                                    |
| Core diameter including insulation | 1.3 mm ±0.1 mm                                |
| Thickness, insulation              | 0.38 mm                                       |
| Wire colors                        | Black, brown, blue, white, gray, pink         |
| Material conductor insulation      | PVC/UL                                        |
| Conductor material                 | Tin-plated Cu litz wires                      |
| Standards/specifications           | M8 connector IEC 61076-2-104                  |
| Insulation resistance              | ≥ 20 MΩ*km                                    |
| Conductor resistance               | ≥ 80 Ω/km                                     |
| Nominal voltage, cable             | 300 V                                         |
| Test voltage, cable                | 2000 V AC                                     |
| Ambient temperature (operation)    | -40 °C ... 105 °C (cable, fixed installation) |
|                                    | -10 °C ... 105 °C                             |

### Standards and Regulations

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

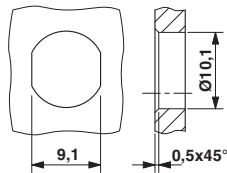
### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

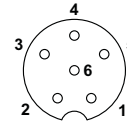
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## Drawings

Dimensional drawing



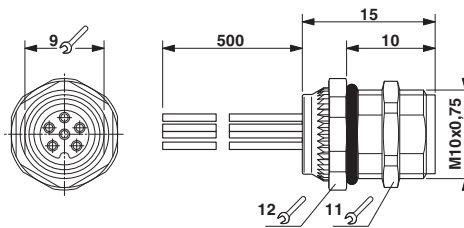
Schematic diagram



Pin assignment M8 socket, 6-pos.

### Mounting panel with feed-through hole

Dimensional drawing



### M8 flush-type socket

## Approvals

### Approvals

#### Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

### Approval details

|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|


|               |  |                                                                                                                                                       |               |
|---------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|---------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|                    |      |
|--------------------|------|
| Nominal voltage UN | 30 V |
|--------------------|------|

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### Approvals

|                            |       |
|----------------------------|-------|
|                            |       |
| Nominal current IN         | 1.5 A |
| mm <sup>2</sup> /AWG/kcmil | 26    |

|                            |                                                                                   |                                                                                                                                                       |               |
|----------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|                            |                                                                                   |                                                                                                                                                       |               |
| Nominal voltage UN         |                                                                                   | 30 V                                                                                                                                                  |               |
| Nominal current IN         |                                                                                   | 1.5 A                                                                                                                                                 |               |
| mm <sup>2</sup> /AWG/kcmil |                                                                                   | 26                                                                                                                                                    |               |

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| cULus Recognized |  |
|------------------|-----------------------------------------------------------------------------------|

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