

## Flush-type connector - SACC-DSI-MS-4CON-L180/SH YE - 1457872

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Bus system flush-type plug, with yellow contact carrier, 4-pos., M12 SPEEDCON, shielded, A-coded, rear/screw mounting with M16 thread, with straight solder connection

### Why buy this product

- ✓ Easy PCB assembly: one-piece connectors for wave soldering
- ✓ All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- ✓ For high transmission reliability: optional shield connection to the housing by means of shield contact



### Key Commercial Data

|              |  |
|--------------|--|
| Packing unit | 20 STK   |
| GTIN         |  |
| GTIN         | 4046356617086  |

### Technical data

#### Dimensions

|                          |      |
|--------------------------|------|
| Length of the solder pin | 6 mm |
|--------------------------|------|

#### Ambient conditions

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

#### General

|                       |                               |
|-----------------------|-------------------------------|
| Rated current at 40°C | 4 A                           |
| Rated voltage         | 250 V                         |
| Number of positions   | 4                             |
| Insulation resistance | ≥ 100 MΩ                      |
| Coding                | A - standard                  |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display        | No                            |

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## Technical data

### General

|                      |                                 |
|----------------------|---------------------------------|
| Overvoltage category | II                              |
| Degree of pollution  | 3                               |
| Connection method    | Solder pins                     |
| Mounting type        | Rear mounting Pg9 With flat nut |

### Material

|  |                              |
|--|------------------------------|
| Flammability rating according to UL 94 | V0                           |
| Contact material                       | CuZn                         |
| Contact surface material               | Au                           |
| Contact carrier material               | PA 6.6                       |
| Material, knurls                       | Zinc die-cast, nickel-plated |
| Sealing material                       | NBR                          |

### Cable

|                          |                               |
|--------------------------|-------------------------------|
| Standards/specifications | M12 connector IEC 61076-2-101 |
|--------------------------|-------------------------------|

### Standards and Regulations

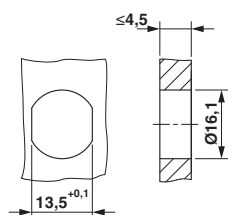
|  |                 |
|--|-----------------|
| Standard designation                   | M12 connector   |
| Standards/regulations                  | IEC 61076-2-101 |
| Flammability rating according to UL 94 | V0              |

### Environmental Product Compliance

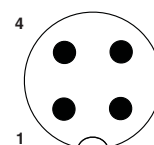
|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Dimensional drawing



Schematic diagram

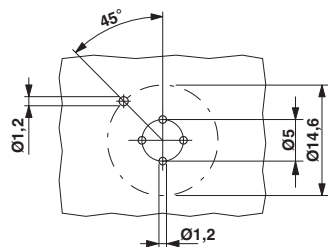


Pin assignment of M12 male connector, 4-pos., A-coded, view of connector side

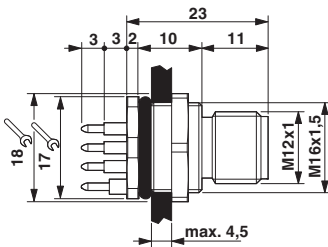
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)

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Drilling diagram

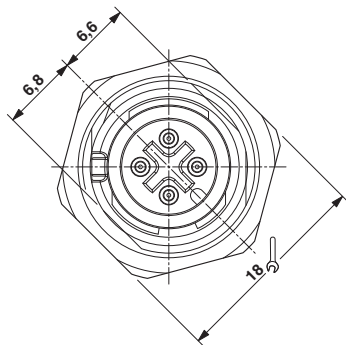


Dimensional drawing



M12 flush-type connector

Dimensional drawing



M12 front view

Approvals


Approvals

Approvals

UL Recognized / cULus Recognized / EAC


Ex Approvals


Approval details

|                                |   |   |               |
|--------------------------------|---|---|---------------|
| 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 118976 |
| mm²/AWG/kcmil                  | 22  |   |               |
| Nominal current I <sub>N</sub> | 4 A   |   |               |
| Nominal voltage U <sub>N</sub> | 250 V   |   |               |

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### Approvals

|   |       |
|---|-------|
| cULus 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> E221474-20140616 |       |
| mm²/AWG/kcmil   | 22-20 |
| Nominal current I <sub>N</sub>  | 4 A   |
| Nominal voltage U <sub>N</sub>  | 250 V |

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

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>