

## Connector - SACC-M12MS-4CON-PG 9-SH - 1501540

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Connector, 4-position, shielded, Plug straight M12, A-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg9, external cable diameter 6 mm ... 8 mm

### Why buy this product

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Screw connection: proven connection technology for a large selection of different conductors
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 017918 614393 |
| GTIN         | 4017918614393   |

### Technical data

#### Dimensions

|   |               |
|---|---------------|
| Diameter housing                        | 20 mm         |
| Length                                  | 62 mm         |
| External cable diameter                 | 6 mm ... 8 mm |
| Stripping length of the sheath          | 35 mm         |
| Stripping length of the individual wire | 5 mm          |

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C (Plug / socket) |
| Degree of protection            | IP67                             |

#### General

|                       |         |
|-----------------------|---------|
| Rated current at 40°C | 4 A     |
| Rated voltage         | 60 V DC |

# Connector - SACC-M12MS-4CON-PG 9-SH - 1501540

## Technical data

### General

|                             |  |
|-----------------------------|--|
|                             | 48 V AC  |
| Number of positions         | 4  |
| Insulation resistance       | ≥ 100 MΩ   |
| Coding                      | A - standard   |
| Standards/regulations       | M12 connector IEC 61076-2-101                                      |
| Status display              | No   |
| Overvoltage category        | II   |
| Degree of pollution         | 3  |
| Connection method           | Screw connection   |
| Conductor cross section     | 0.25 mm² ... 0.75 mm² (without ferrule)                            |
|                             | 0.14 mm² ... 0.75 mm² (with ferrule)                               |
|                             | 0.25 mm² ... 0.75 mm² (solid)                                      |
| Conductor cross section AWG | 24 ... 18 (without ferrule)  |
|                             | 26 ... 20 (with ferrule)   |
| Insertion/withdrawal cycles | ≥ 100  |
| Torque                      | 0.4 Nm (M12 knurl)   |
|                             | 0.2 Nm (Screw terminal blocks)                                     |
|                             | 0.8 Nm ... 1 Nm (Pressure nut with coupling sleeve)                |
| Tightening torque           | Screw plug insert with sleeve housing as far it will go            |
| Assembly instructions       | The wires can be connected both with ferrules and without ferrules |

### Material

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

### Standards and Regulations

|  |                 |
|--|-----------------|
| Standard designation                   | M12 connector   |
| Standards/regulations                  | IEC 61076-2-101 |
| Connection in acc. with standard       | CUL             |
| Flammability rating according to UL 94 | HB              |

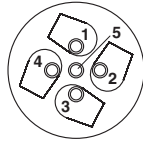
### Environmental Product Compliance

|            |   |
|------------|---|
| 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" |

## Drawings

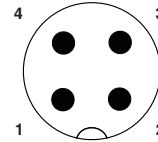
# Connector - SACC-M12MS-4CON-PG 9-SH - 1501540

Schematic diagram



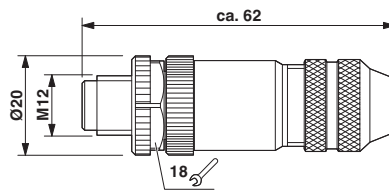
Cable connection side M12 (screw connection)

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

Dimensional drawing



Plug, M12 x 1, straight, shielded

## Approvals

### Approvals

Approvals

EAC / EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

### Approval details

|     |  |               |
|-----|--|---------------|
| EAC |  | EAC-Zulassung |
|-----|--|---------------|

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.AI30.B.01102 |
|-----|--|--------------------------|


|               |  |   |               |
|---------------|--|---|---------------|
| 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 | 250 V |
|--------------------|-------|

## Connector - SACC-M12MS-4CON-PG 9-SH - 1501540

### Approvals

|                    |     |
|--------------------|-----|
| Nominal current IN | 4 A |
|--------------------|-----|

|                    |   |   |               |
|--------------------|---|---|---------------|
| 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 | 250 V   |   |               |
| Nominal current IN | 4 A   |   |               |

|                  |   |   |
|------------------|---|---|
| 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> |
|------------------|---|---|

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

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