

## Connector - SACC-FS-4CON-PG 7-M SCO - 1543029

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Connector, Universal, 4-position, Socket straight M12 SPEEDCON, Coding: A, Screw connection, knurl material: Nickel-plated brass, cable gland Pg7, external cable diameter 4 mm ... 6 mm

### Your advantages

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Screw connection: proven connection technology for a large selection of different conductors



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 097611 |
| GTIN                                 | 4046356097611   |
| Weight per Piece (excluding packing) | 25.200 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|   |               |
|---|---------------|
| Diameter housing                        | 20 mm         |
| Length                                  | 54 mm         |
| External cable diameter                 | 4 mm ... 6 mm |
| Stripping length of the sheath          | 20 mm         |
| Stripping length of the individual wire | 5 mm          |

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## Technical data

### Ambient conditions

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

### General

|                             |   |
|-----------------------------|---|
| Note                        | NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |
| Rated current at 40°C       | 4 A   |
| Rated voltage               | 250 V AC  |
|                             | 250 V DC  |
| Number of positions         | 4   |
| Insulation resistance       | ≥ 100 MΩ  |
| Coding                      | A - standard  |
| Standards/regulations       | M12 connector IEC 61076-2-101   |
| Signal type/category        | Universal   |
| Status display              | No  |
| Overvoltage category        | II  |
| Degree of pollution         | 3   |
| Connection method           | Screw connection  |
| Conductor cross section     | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (without ferrule)   |
|                             | 0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (with ferrule)  |
|                             | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (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 screw with sleeve housing)  |
| 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               | CuSnZn              |
| Contact carrier material               | PA                  |
| Material of grip body                  | PBT                 |
| Material, knurls                       | Nickel-plated brass |

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### Technical data

#### Material

|                  |     |
|------------------|-----|
| Sealing material | NBR |
|------------------|-----|

#### Standards and Regulations

|  |                               |
|--|-------------------------------|
| Standards/specifications               | M12 connector IEC 61076-2-101 |
| Flammability rating according to UL 94 | HB                            |

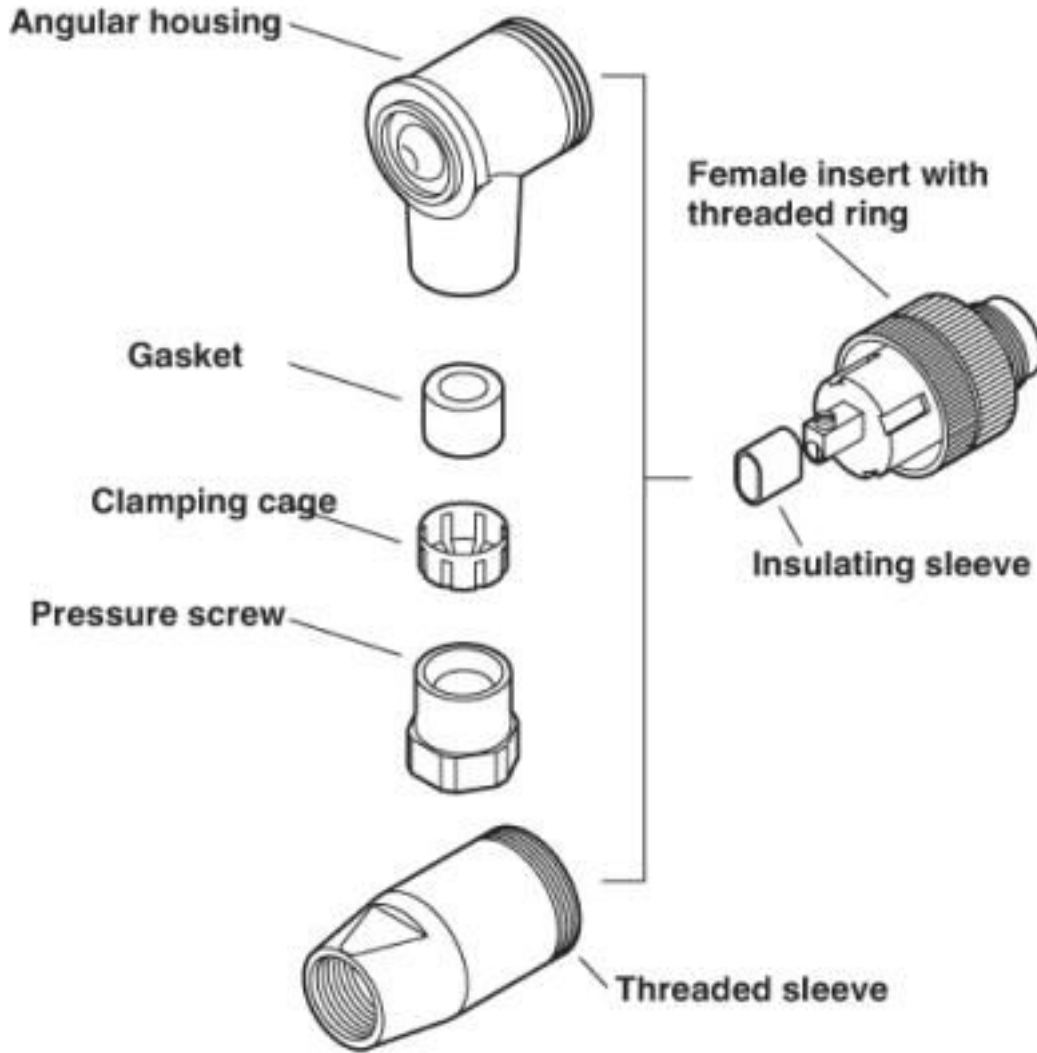
#### Environmental Product Compliance

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

### Drawings

# Connector - SACC-FS-4CON-PG 7-M SCO - 1543029

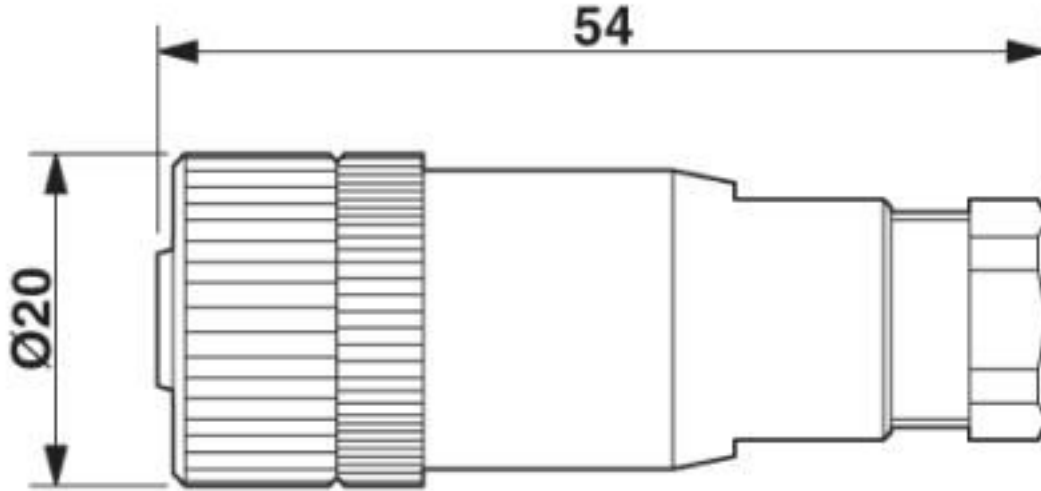
Schematic diagram



Male/Female M12

# Connector - SACC-FS-4CON-PG 7-M SCO - 1543029

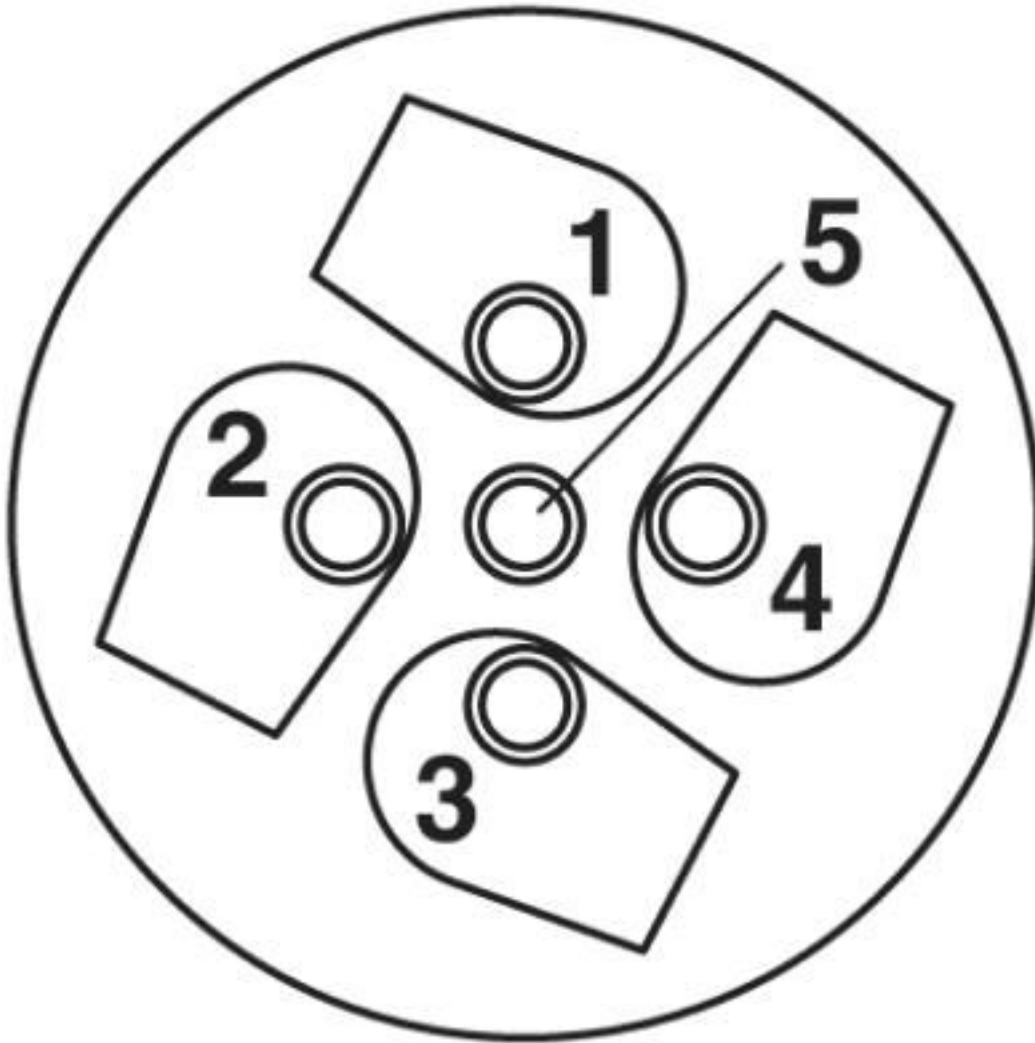
Dimensional drawing



M12 x 1 socket, straight

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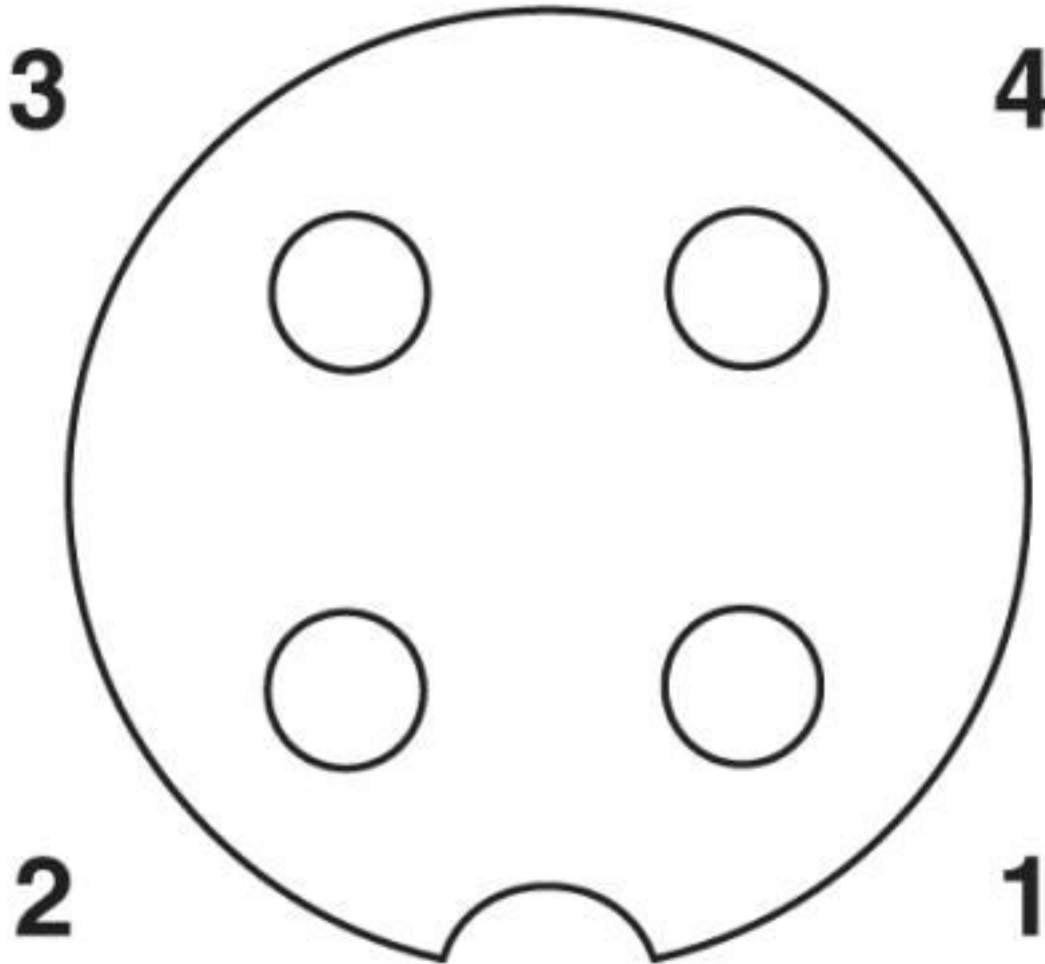
Schematic diagram



Cable connection side M12 (screw connection)

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Schematic diagram



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

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 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    | 27440104 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |
| ETIM 6.0 | EC002062 |

### 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 |

## Approvals

### Approvals

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### Approvals

EAC

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### Ex Approvals

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### Approval details

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|--|--------------------------|

## Accessories

### Accessories



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### Accessories

#### Cable by the meter

Cable reel - SAC-4P-100,0-PUR/0,25 - 1501692



By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

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Cable reel - SAC-4P-100,0-PUR/0,34 - 1501663



By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

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Cable reel - SAC-4P-100,0-186/0,75 - 1457461



By the meter, Cable reel, PUR, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

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#### Cable end sleeve

Ferrule - A 0,25- 5 - 3202465



Ferrule, length: 5 mm, color: silver

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#### Crimping tool

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### Accessories

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, unlockable pressure lock, lateral entry

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### Plug for cable screw gland

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



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### Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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### Seal

## Connector - SACC-FS-4CON-PG 7-M SCO - 1543029

### Accessories

Connector - SACC-M12-SET/2,5-3,5 - 1436505



Sensor/actuator connector, accessories, pressure screw and Pg7 seal, for unshielded M12 connector, cable diameter 2.5 mm - 3.5 mm

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### Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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