

## Connector - SACC-M12MR-4CON-PG 9-VA - 1553226

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Connector, 4-position, Plug angled M12, Coding: A, Screw connection, knurl material: Stainless steel 1.4404, cable gland Pg9, external cable diameter 6 mm ... 8 mm

### Your advantages

- ✓ 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

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 170147 |
| GTIN         | 4046356170147                                                                                           |

### Technical data

#### Dimensions

|                                |               |
|--------------------------------|---------------|
| Diameter housing               | 20 mm         |
| Length                         | 44 mm         |
| External cable diameter        | 6 mm ... 8 mm |
| Stripping length of the sheath | 20 mm         |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Degree of protection            | IP65             |
|                                 | IP67             |
|                                 | IP69K            |

#### General

|      |                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------|
| Note | NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending |
|------|------------------------------------------------------------------------------------------------------------------------------------------|

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## Technical data

### General

|                             |                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------|
|                             | 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                                                                                                    |
| Color handle area           | black                                                                                                |
| 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                      | 0.8 Nm ... 1 Nm (Pressure screw)                                                                     |
|                             | 0.2 Nm (Screw terminal blocks)                                                                       |
| 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                                   |
|                             | The connector pin assignment can be rotated 90° to the cable outlet                                  |

### Material

|                          |                        |
|--------------------------|------------------------|
| Contact material         | CuZn                   |
| Contact surface material | Au                     |
| Contact carrier material | PA                     |
| Material of grip body    | PA                     |
| Material, knurls         | Stainless steel 1.4404 |
| Sealing material         | NBR                    |

### Standards and Regulations

|                                  |                               |
|----------------------------------|-------------------------------|
| Standards/specifications         | M12 connector IEC 61076-2-101 |
| Connection in acc. with standard | CUL                           |

### Environmental Product Compliance

|            |                                                |
|------------|------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                 |
| China RoHS | Environmentally Friendly Use Period = 50 years |

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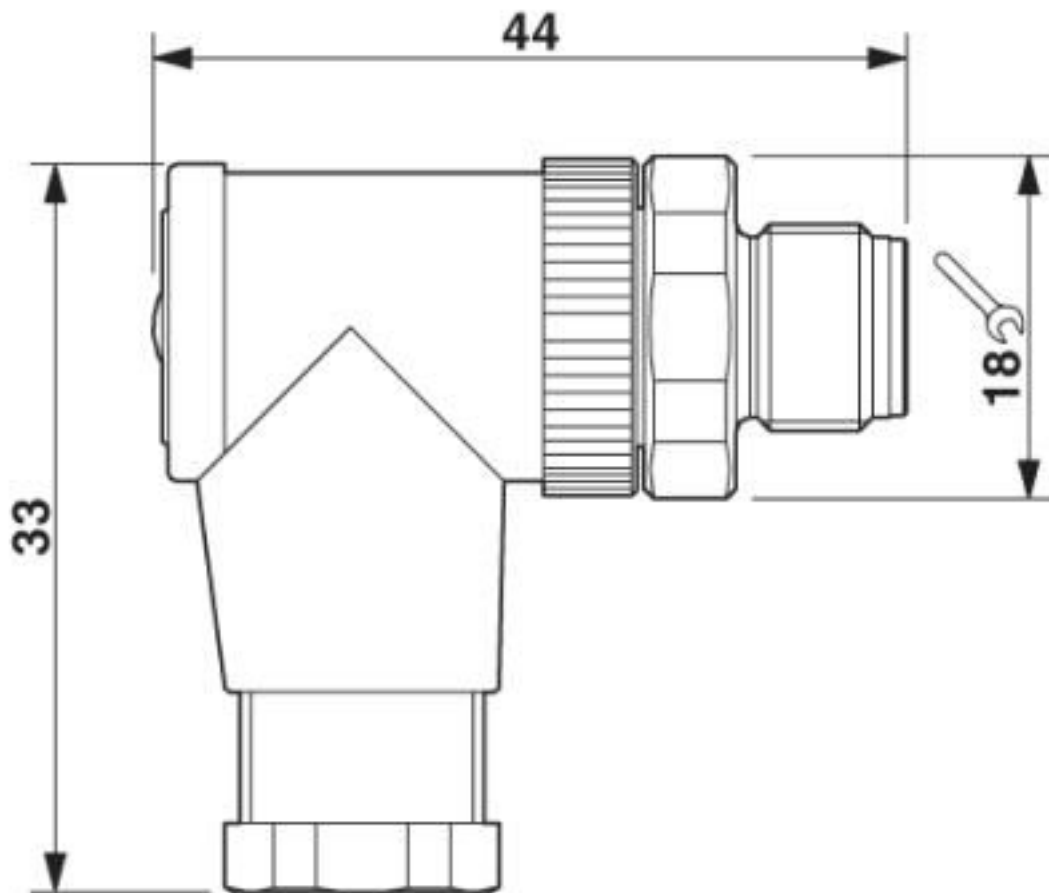
### Technical data

#### Environmental Product Compliance

|  |                                                                                                     |
|--|-----------------------------------------------------------------------------------------------------|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|-----------------------------------------------------------------------------------------------------|

### Drawings

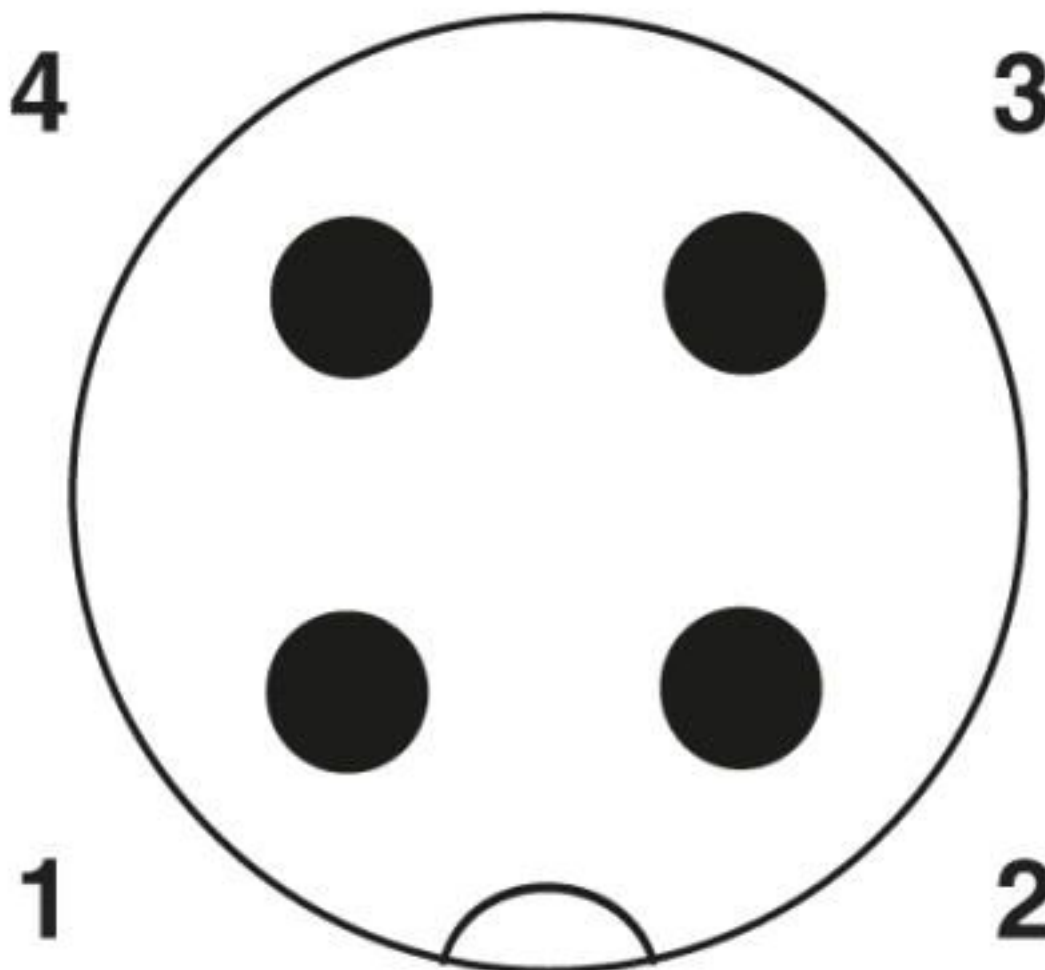
Dimensional drawing



M12 x 1 male plug, angled

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Schematic diagram



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

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27279200 |
| eCl@ss 7.0    | 27440104 |
| eCl@ss 8.0    | 27440104 |
| eCl@ss 9.0    | 27440102 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001121 |
| 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

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### 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 221474 |
| Nominal voltage UN | 250 V                                                                               |                                                                                                                                                       |               |
| 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                                                                               |                                                                                                                                                       |               |

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### Approvals

|                                |     |
|--------------------------------|-----|
| Nominal current I <sub>N</sub> | 4 A |
|--------------------------------|-----|

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

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

### Accessories

#### Accessories

##### Cable end sleeve

Ferrule - A 0,25- 5 - 3202465



Ferrule, length: 5 mm, color: silver

#### Crimping tool

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

#### 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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### Accessories

Adapter - SAC BIT M12-W14 - 1212513



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a hexagonal knurl wrench size of 14 mm, with 4 mm hexagonal drive

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Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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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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