

Connector - SACC-M12FR-5CON-PG 9-VA - 1553307

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Connector, 5-position, Socket 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 |  4 046356 170222 |
| GTIN | 4046356170222 |
| Weight per Piece (excluding packing) | 25.600 g |
| Weight per piece (including packing) | 29.200 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|---|---------------|
| Diameter housing | 20 mm |
| Length | 38 mm |
| External cable diameter | 6 mm ... 8 mm |
| Stripping length of the sheath | 20 mm |
| Stripping length of the individual wire | 5 mm |

Ambient conditions

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

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Technical data

Ambient conditions

| | |
|--|-------|
| | 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 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 | 48 V AC 60 V DC |
| Number of positions | 5 |
| 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) 0.4 Nm (M12 knurl) |
| 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 |

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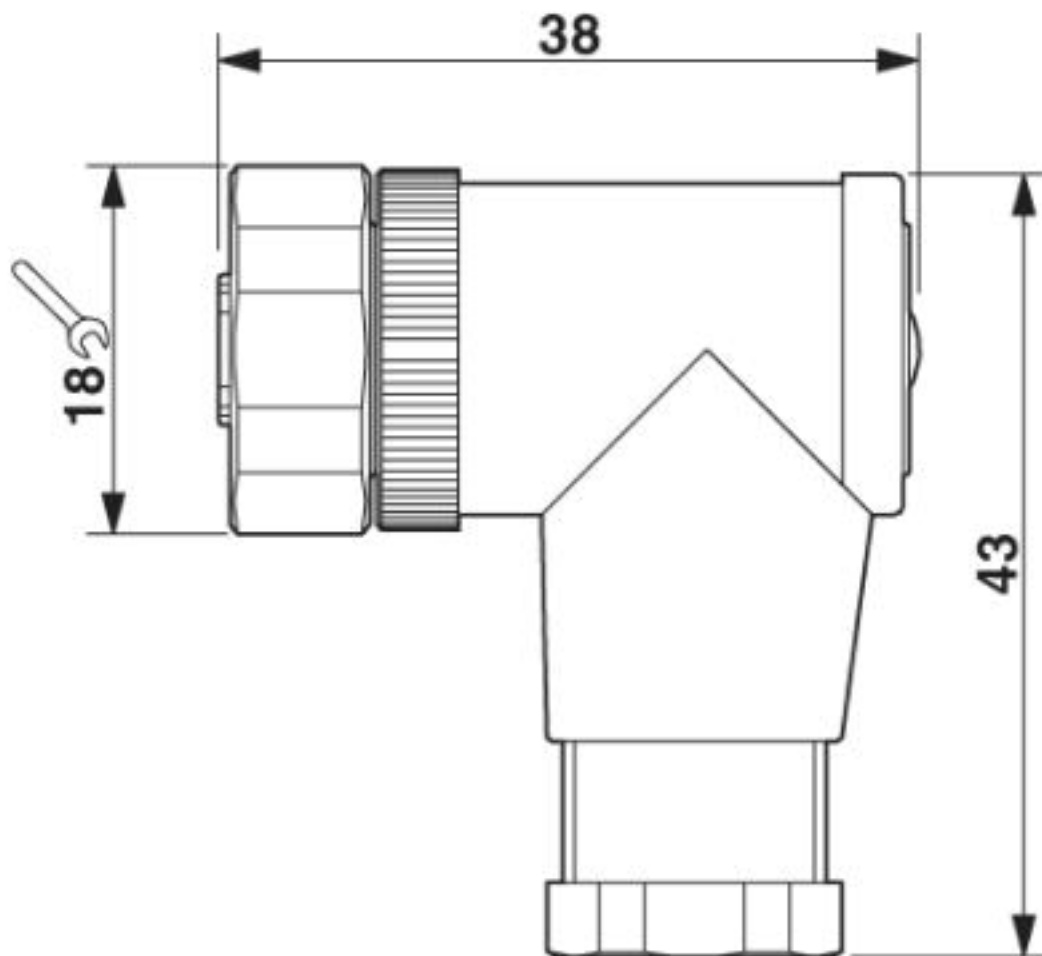
Technical data

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

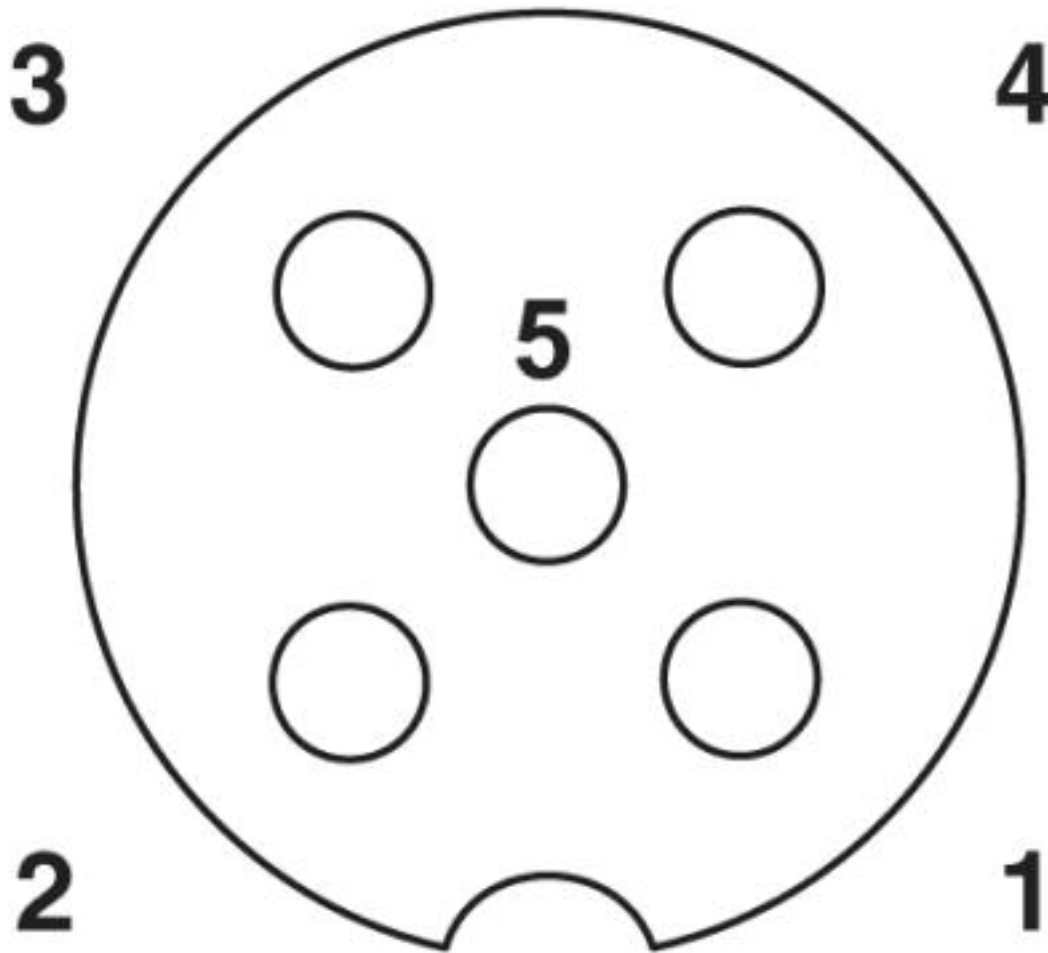
Dimensional drawing



M12 x 1 socket, angled

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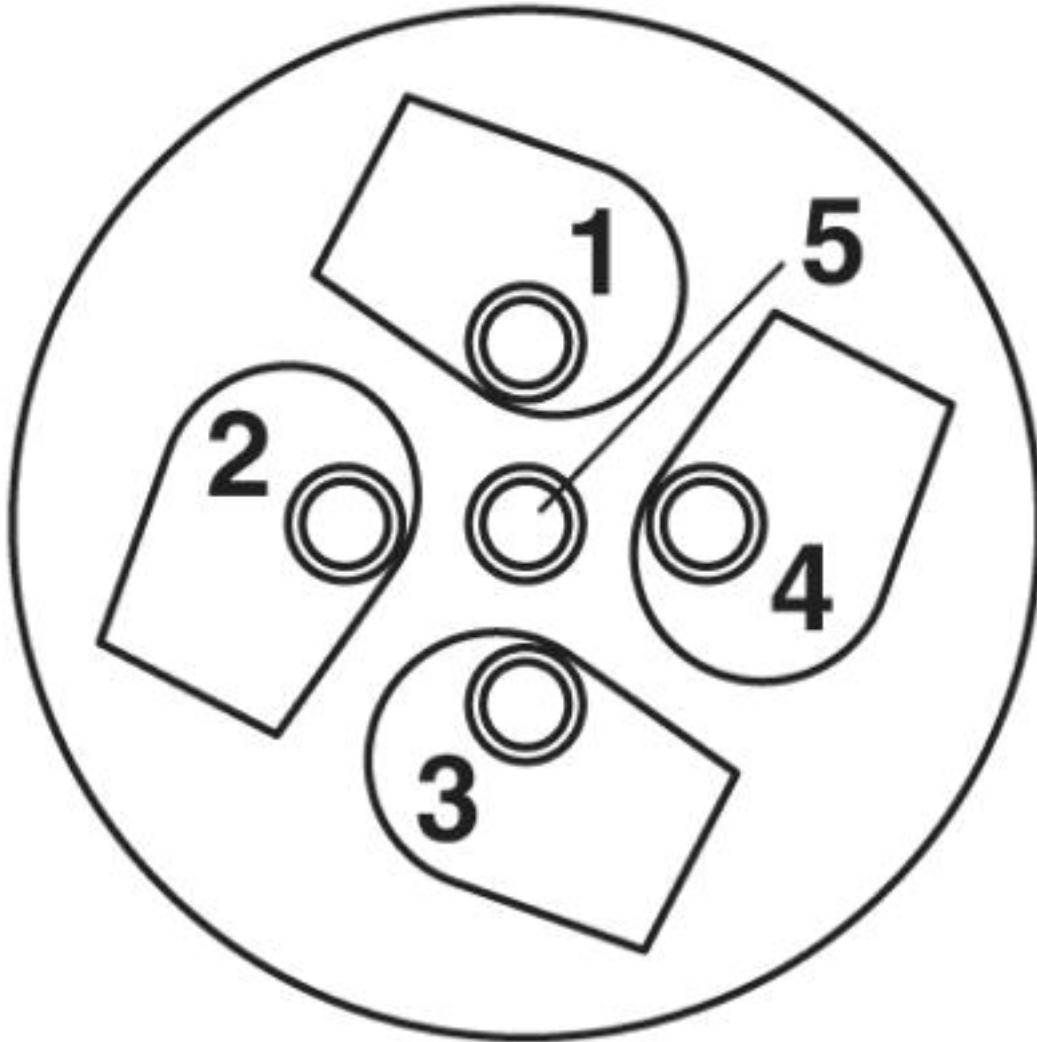
Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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Schematic diagram



Cable connection side M12 (screw connection)

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 |
| eCl@ss 8.0 | 27440104 |

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Classifications

eCl@ss

| | |
|------------|----------|
| 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

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

| | | | |
|--------------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal voltage UN | 125 V | | |
| Nominal current IN | 4 A | | |

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

Accessories

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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 mm² ... 6 mm², 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

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

Stripping tool

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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

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



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