

Connector - SACC-M12FR-5CON-PG9-M - 1681499

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Connector, Universal, 5-position, Socket angled M12, A-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, 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 017918 157418 |
| GTIN | 4017918157418 |
| Sales Key | 02 |

Technical data

Dimensions

| | |
|---|---------------|
| Diameter housing | 20 mm |
| Length | 35 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 | 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 |
|------|--|

Connector - SACC-M12FR-5CON-PG9-M - 1681499

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 | 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 |
| Signal type/category | Universal |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Connection method | Screw connection |
| Conductor cross section | 0.25 mm ² ... 0.75 mm ² (without ferrule) |
| | 0.14 mm ² ... 0.75 mm ² (with ferrule) |
| | 0.25 mm ² ... 0.75 mm ² (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 connector pin assignment can be rotated 90° to the cable outlet |
| | 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 | PA |
| 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 |

Connector - SACC-M12FR-5CON-PG9-M - 1681499

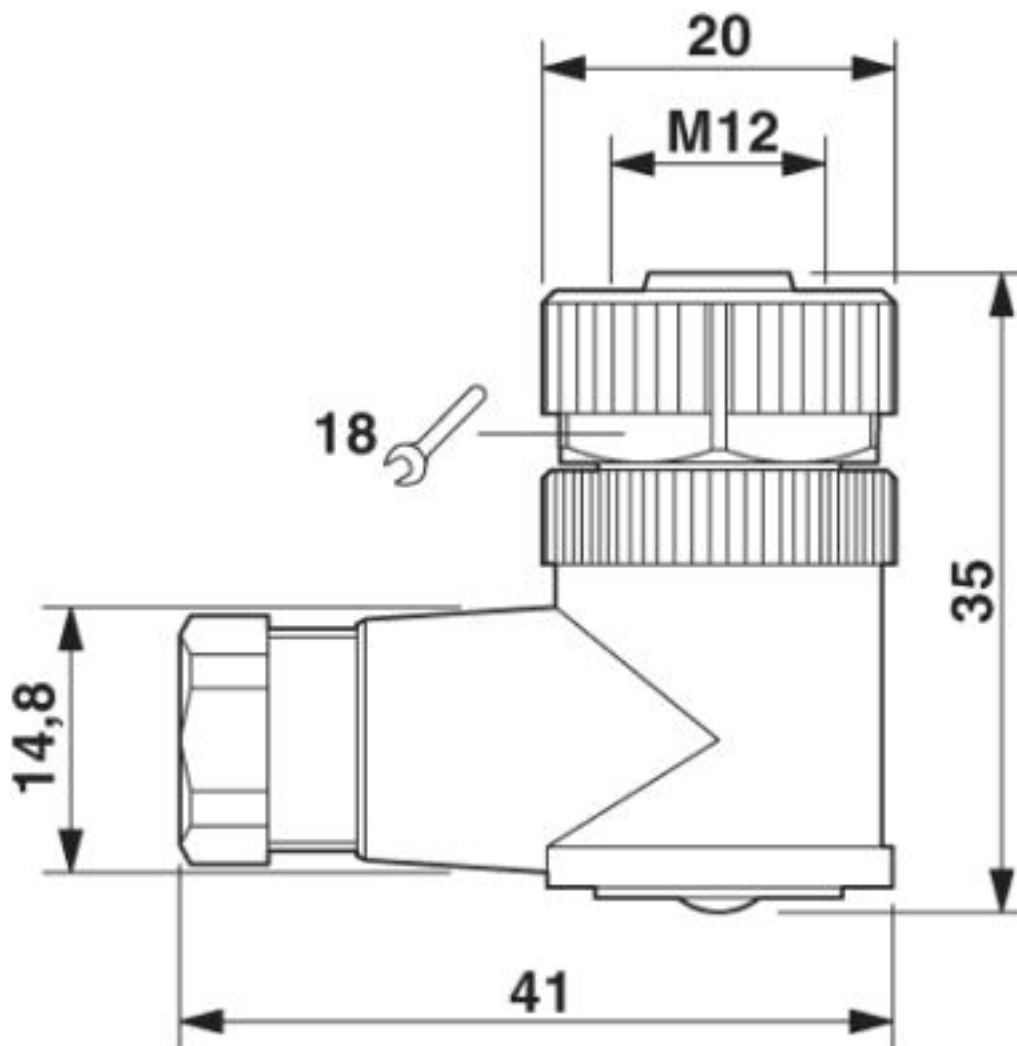
Technical data

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

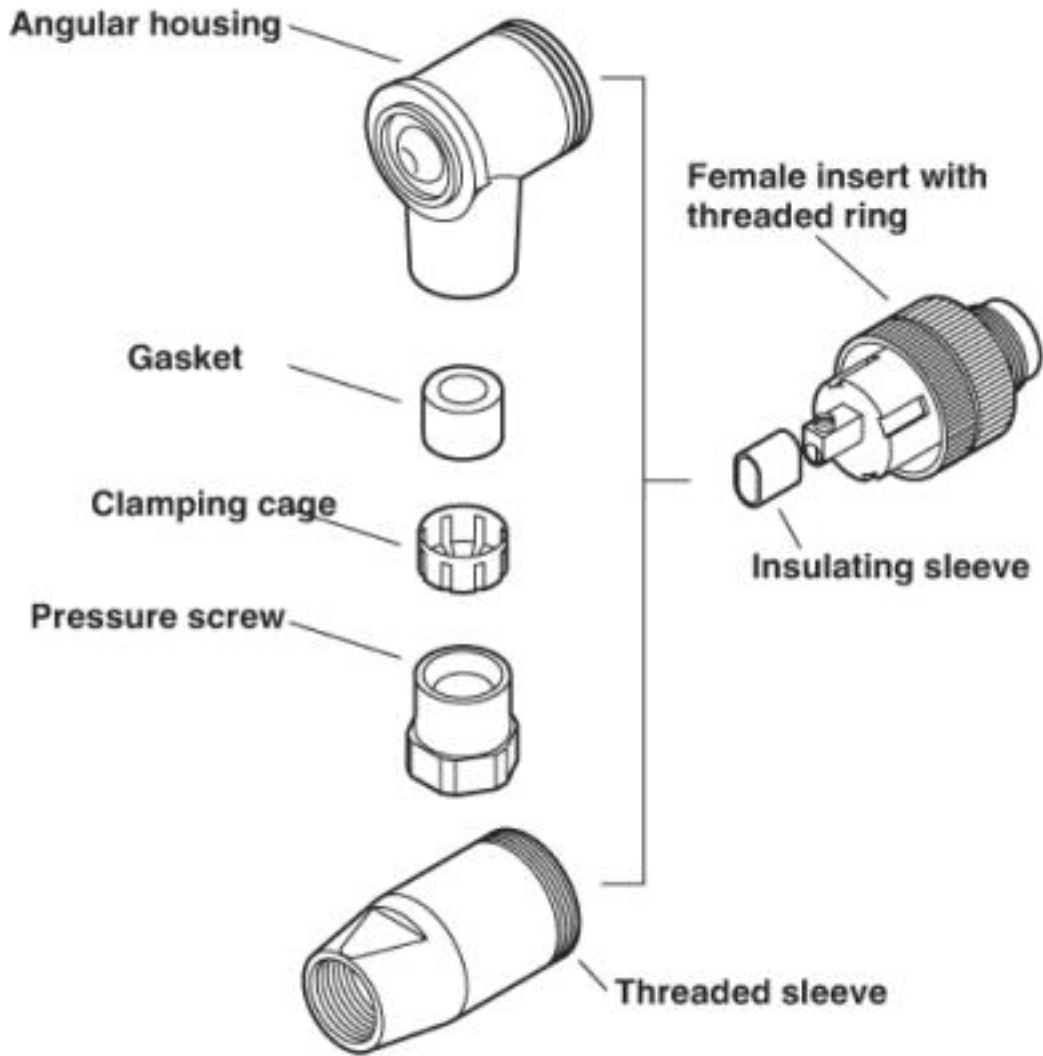
Dimensional drawing



M12 x 1 socket, angled

Connector - SACC-M12FR-5CON-PG9-M - 1681499

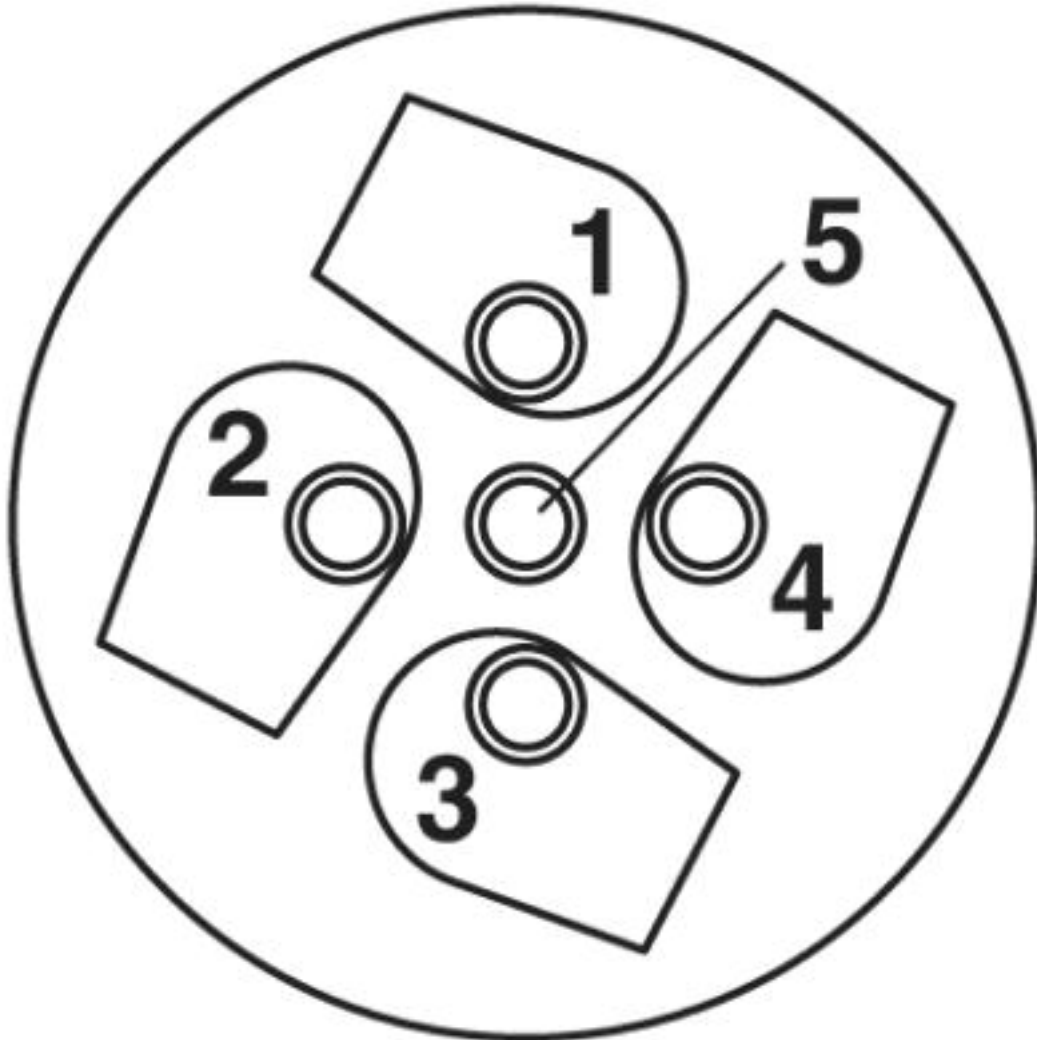
Schematic diagram



Male/Female M12

Connector - SACC-M12FR-5CON-PG9-M - 1681499

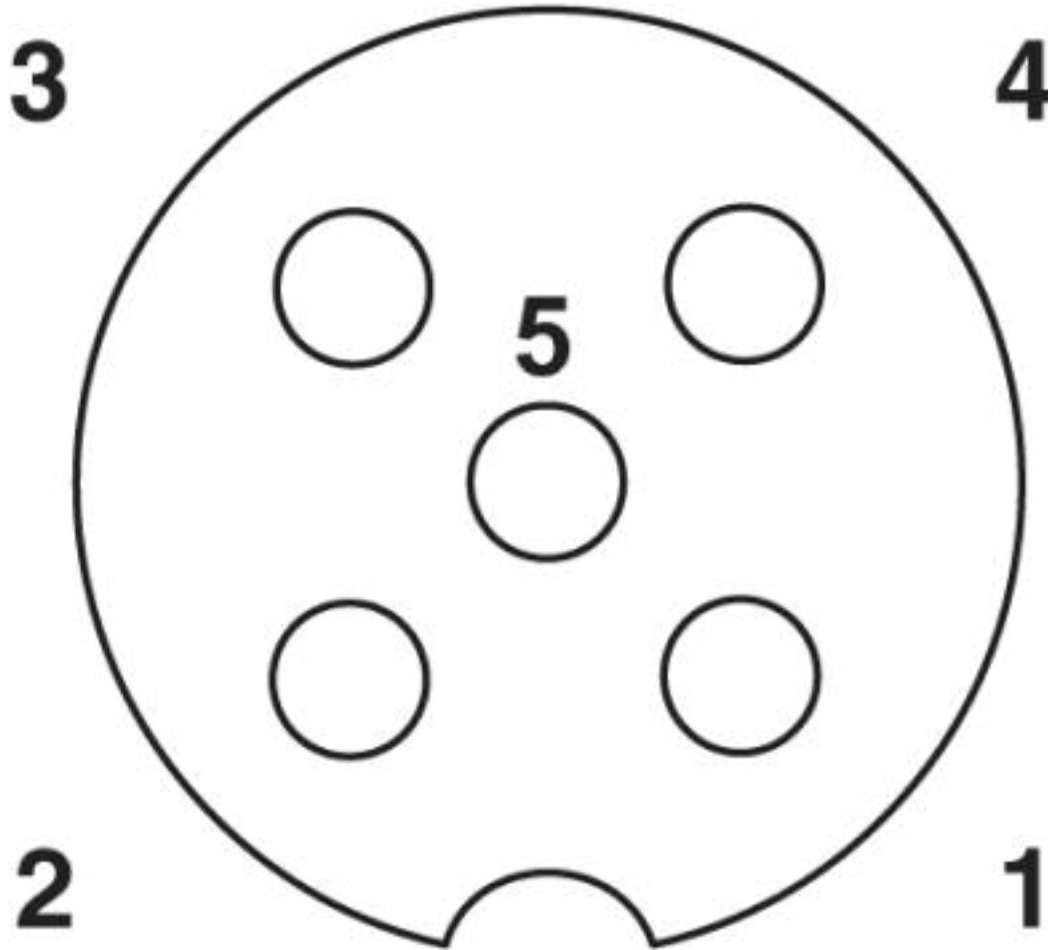
Schematic diagram



Cable connection side M12 (screw connection)

Connector - SACC-M12FR-5CON-PG9-M - 1681499

Schematic diagram



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

Approvals

Approvals

Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals

Approval details


Connector - SACC-M12FR-5CON-PG9-M - 1681499

Approvals

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

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

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

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

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