



Automatización Eléctrica
Especialistas en Automatización

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Connector - SACC-M12FR-4CON-PG7-M - 1681143

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Connector, 4-position, Socket angled M12, A-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg7, External cable diameter 4 mm ... 6 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

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 017918 157401 |
| Sales Key | 02 |

Technical data

Dimensions

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

Ambient conditions

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

General

| | |
|-----------------------|-------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 250 V |
| 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 |

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Technical data

General

| | |
|-----------------------------|---|
| Connection method | Screw connection |
| Conductor cross section | 0.25 mm ² ... 0.75 mm ² |
| Conductor cross section AWG | 24 ... 18 |
| 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 | PBT |
| 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 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27279221 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001121 |
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002062 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC002062 |
|----------|----------|

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

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|---------------|
| UL Recognized |
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| cUL Recognized |
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| EAC |
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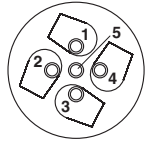
| |
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| EAC |
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| cULus Recognized |
|------------------|

Drawings

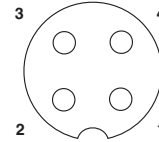
Connector - SACC-M12FR-4CON-PG7-M - 1681143

Schematic diagram



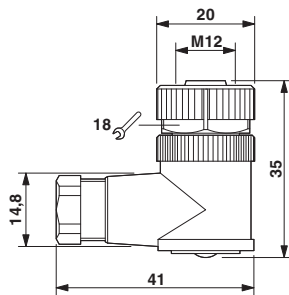
Cable connection side M12 (screw connection)

Schematic diagram



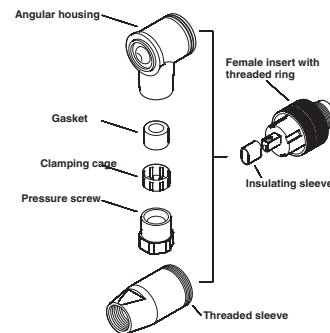
Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensional drawing



M12 x 1 socket, angled

Schematic diagram



Male/Female M12

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