

## Connector - SACC-M12MS-4QO-0,34 - 1641714

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Connector, Universal, 4-position, Plug straight M12, Coding: A, Insulation displacement connection, knurl material: Plastic, external cable diameter 3.5 mm ... 6 mm

### Your advantages

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 925161 |
| GTIN                                 | 4017918925161   |
| Weight per Piece (excluding packing) | 11.100 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |
| Sales Key                            | BF2CCA  |

### Technical data

#### Dimensions

|                                |                 |
|--------------------------------|-----------------|
| Wrench size, union nut         | 13 mm           |
| Diameter housing               | 16.3 mm         |
| Length                         | 54 mm           |
| External cable diameter        | 3.5 mm ... 6 mm |
| Stripping length of the sheath | 40 mm           |

#### Ambient conditions

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (Plug / socket)  |
| Ambient temperature (assembly)  | -5 °C ... 50 °C (During assembly) |

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### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | 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   | 125 V AC  |
|   | 125 V DC  |
| Number of positions   | 4   |
| Color handle area   | black   |
| Insulation resistance   | ≥ 100 MΩ  |
| Coding  | A - standard  |
| Standards/regulations   | M12 connector according to IEC 61076-2-101  |
| Signal type/category  | Universal   |
| Status display  | No  |
| Overvoltage category  | III   |
| Degree of pollution   | 3   |
| Connection method   | Insulation displacement connection  |
| Conductor cross section   | 0.14 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>   |
| Conductor cross section AWG   | 26 ... 22   |
| Wire diameter including insulation  | 0.7 mm ... 1.6 mm   |
| Frequency of connections between conductors of the same cross section       | 10  |
| Wire insulation material  | PVC / PE / PP / rubber  |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6   |
| Insertion/withdrawal cycles   | ≥ 100   |
| Torque  | 0.4 Nm (M12 knurl)  |
|   | 1.2 Nm (Pressure nut)   |
| Assembly instructions   | AWG 20 conductor cross section upon request   |

### Material

|  |         |
|--|---------|
| Flammability rating according to UL 94 | V0      |
| Contact material                       | CuSn    |
| Contact surface material               | Ni/Au   |
| Contact carrier material               | TPU     |
| Material of grip body                  | PA 6    |
| Material, knurls                       | Plastic |
| Sealing material                       | NBR     |

### Standards and Regulations

<https://www.phoenixcontact.com/gb/products/1641714>



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#### Standards and Regulations

|  |  |
|--|--|
| Standards/specifications               | M12 connector according to IEC 61076-2-101 |
| Connection in acc. with standard       | CUL  |
| Flammability rating according to UL 94 | V0   |

#### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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