

SACC-M 8MS-3CON-M-SW - Connector



1501252

<https://www.phoenixcontact.com/in/products/1501252>

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Connector, Universal, 3-position, Plug straight M8, A, Screw connection, knurl material: Nickel-plated brass, external cable diameter 3.5 mm ... 5 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Screw connection: proven connection technology for a large selection of different conductors

Commercial Data

| | |
|--------------------------------------|--------------------|
| Item number | 1501252 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales Key | BF2 |
| Product Key | BF2BAA |
| Catalog Page | Page 17 (C-2-2019) |
| GTIN | 4017918612795 |
| Weight per Piece (including packing) | 11.025 g |
| Weight per Piece (excluding packing) | 8.7 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

Technical Data

Notes

| | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly instruction: | 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. |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Mounting

| | |
|-----------------------|------------------------------------------------------------------------------------------|
| Assembly instructions | The wires can be connected both with ferrules (without insulation) and without ferrules. |
|-----------------------|------------------------------------------------------------------------------------------|

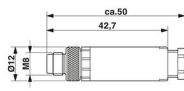
Product properties

| | |
|----------------------|---------------------------------|
| Product type | Circular connector (cable-side) |
| Number of positions | 3 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Dimensions

| | |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width | 12 mm |
| Height | 12 mm |
| Length | 50 mm |

External dimensions

| | |
|------------------|-----------------|
| Outside diameter | 3.5 mm ... 5 mm |
|------------------|-----------------|

Housing

| | |
|------------------|-------|
| Diameter housing | 12 mm |
|------------------|-------|

Material specifications

| | |
|----------------------------------------|------|
| Flammability rating according to UL 94 | HB |
| Seal material | NBR |
| Material of grip body | PBT |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA |

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| | |
|-------------------------------|---------------------|
| Material for screw connection | Nickel-plated brass |
|-------------------------------|---------------------|

Connection data

Conductor connection

| | |
|-----------------------------------------|---------------------------------------------------------------------------------------|
| Connection method | Screw connection |
| Connection cross section | 0.14 mm ² ... 0.5 mm ² (without ferrule) |
| | 0.08 mm ² ... 0.5 mm ² (with ferrule) |
| | 0.14 mm ² ... 0.5 mm ² (solid) |
| Connection cross section AWG | 26 ... 20 (without ferrule) |
| Stripping length of the individual wire | 4 mm |
| Tightening torque | 0.2 Nm (M8 knurl) |
| | 0.5 Nm (Connector with coupling sleeve) |
| | 0.3 Nm ... 0.4 Nm (Pressure screw for outer cable diameter 3 mm ... 4 mm) |
| | 0.8 Nm ... 1 Nm (Pressure screw in the case of external cable diameter 4 mm ... 5 mm) |
| | 0.1 Nm (Screw terminal blocks) |

Electrical properties

| | |
|--------------------------------|----------|
| Rated surge voltage | 1.5 kV |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage U _N | 48 V AC |
| | 60 V DC |
| Nominal current I _N | 4 A |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 100 |
|-----------------------------|-------|

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Plug |
| Head cable outlet | straight |
| Head thread type | M8 |
| Coding | A |

Cable/line

| | |
|-----------------------------------------|-----------|
| Signal type/category | Universal |
| Stripping length of the individual wire | 4 mm |

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

M8

| | |
|--------------------------|-----------------|
| Standards/specifications | IEC 61076-2-104 |
|--------------------------|-----------------|

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