

SACC-M 8MS-4PCON - Connector



1506765

<https://www.phoenixcontact.com/us/products/1506765>

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Connector, Universal, 4-position, Plug straight M8, coding: A, Piercecon® fast connection, knurl material: Brass, nickel-plated, external cable diameter 3 mm ... 5 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Piercecon® connection: maximum contact density in a connector that can be assembled

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1506765 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF32 |
| Product key | AF2BGA |
| GTIN | 4017918892685 |
| Weight per piece (including packing) | 17.4 g |
| Weight per piece (excluding packing) | 16.4 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|---------------|---|
| Assembly note | NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties. |
|---------------|---|

Product properties

| | |
|----------------------|---------------------------------|
| Product type | Circular connector (cable-side) |
| Sensor type | Universal |
| Number of positions | 4 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |

Insulation characteristics

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

Dimensions

| | |
|------------------------|--|
| Dimensional drawing |  |
| Length | 35.4 mm |
| Wrench size, union nut | 11 mm |

External dimensions

| | |
|------------------|---------------|
| Outside diameter | 3 mm ... 5 mm |
|------------------|---------------|

Housing

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

Material specifications

| | |
|--|----------------------|
| Flammability rating according to UL 94 | V0 |
| Seal material | NBR |
| Material of grip body | PA 6.6 |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA 6.6 |
| Material for screw connection | Brass, nickel-plated |

Connection data

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Conductor connection

| | |
|------------------------------|--|
| Connection method | Piercecon® fast connection |
| Connection cross section | 0.14 mm ² ... 0.38 mm ² (flexible) |
| Connection cross section AWG | 22 ... 26 (flexible) |
| Tightening torque | 0.5 Nm (Pressure nut with coupling sleeve) |
| | 0.8 Nm (Connector with coupling sleeve) |
| | 0.2 Nm (M8 knurl) |

Connection assignment

| | |
|---|--------|
| Contact Color (signal designation) Contact (optional) | 1 = BN |
| | 3 = BU |
| | 4 = BK |

Electrical properties

| | |
|--------------------------------|----------|
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage U _N | 30 V AC |
| | 30 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 |
|----------------------|-----------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|----------------------------------|
| Degree of protection | IP68 |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug / socket) |

Standards and regulations

M8

| | |
|----------------------|--------------|
| Standard designation | M8 connector |
|----------------------|--------------|

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Standards/specifications

IEC 61076-2-104

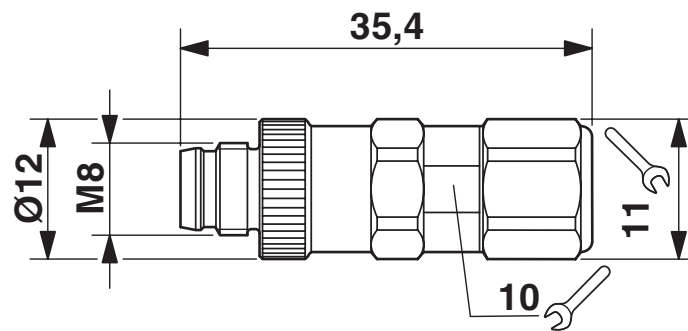
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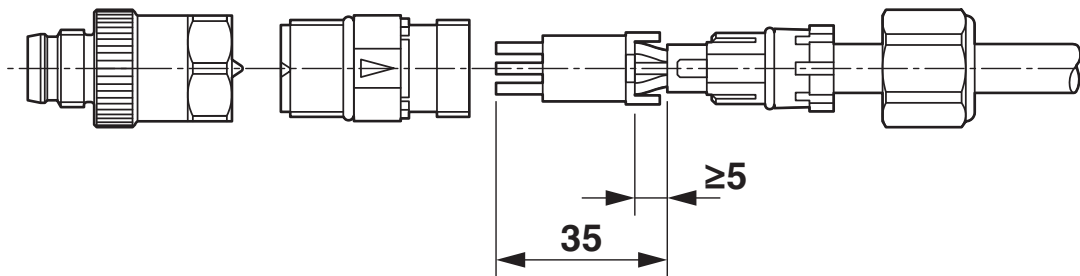
Drawings

Dimensional drawing



M8 x 1 male plug, straight version

Functional drawing



a = cut flush

b = coding

When assembled, the coding marks must line up.

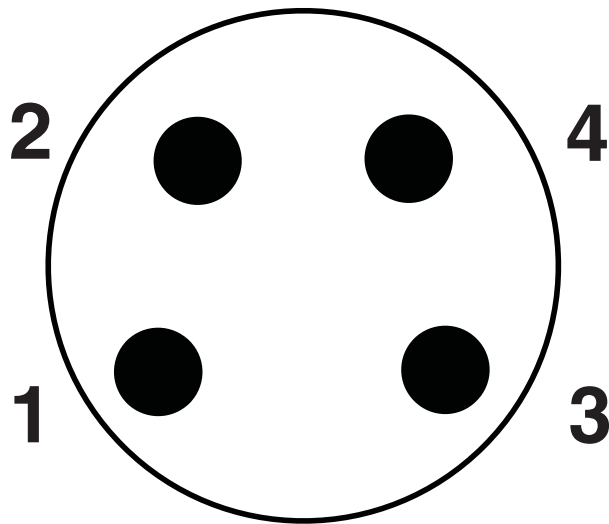
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Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440116 |
| ECLASS-15.0 | 27440116 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002635 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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