

SACC-M12MSD-4CON-PG 9-SH - Data connector



1521261

<https://www.phoenixcontact.com/us/products/1521261>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Data connector, Ethernet CAT5 (100 Mbps), 4-position, shielded, Plug straight M12, coding: D, Screw connection, knurl material: Brass, 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
- Screw connection: proven connection technology for a large selection of different conductors
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1521261 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF30 |
| Product key | AF2CBI |
| GTIN | 4017918968618 |
| Weight per piece (including packing) | 56 g |
| Weight per piece (excluding packing) | 55.8 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

SACC-M12MSD-4CON-PG 9-SH - Data connector



1521261

<https://www.phoenixcontact.com/us/products/1521261>

Technical data

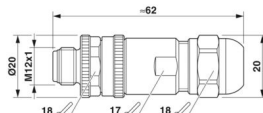
Product properties

| | |
|----------------------|---------------------------------|
| Product type | Circular connector (cable-side) |
| Application | Data |
| Number of positions | 4 |
| No. of cable outlets | 1 |
| Shielded | yes |
| Coding | D |
| Pg screw connection | Pg9 |

Insulation characteristics

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

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 20 mm |
| Height | 20 mm |
| Length | 62 mm |

External dimensions

| | |
|------------------|---------------|
| Outside diameter | 6 mm ... 8 mm |
|------------------|---------------|

Housing

| | |
|------------------|-------|
| Diameter housing | 20 mm |
|------------------|-------|

Material specifications

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

Connection data

Conductor connection

| | |
|--------------------------|--|
| Connection method | Screw connection |
| Connection cross section | 0.25 mm ² ... 0.75 mm ² (without ferrule) 0.14 mm ² ... 0.5 mm ² (with ferrule) |

SACC-M12MSD-4CON-PG 9-SH - Data connector



1521261

<https://www.phoenixcontact.com/us/products/1521261>

| | |
|---|---|
| | 0.25 mm ² ... 0.75 mm ² (solid) |
| Connection cross section AWG | 24 ... 18 (without ferrule) |
| | 26 ... 20 (with ferrule) |
| Stripping length of the individual wire | 5 mm |
| Tightening torque | 0.4 Nm (M12 knurl) |
| | 0.2 Nm (Screw terminal blocks) |
| | 0.8 Nm ... 1 Nm (Pressure nut with coupling sleeve) |

Electrical properties

| | |
|--------------------------------|----------|
| Rated surge voltage | 2.5 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 |
| Transmission speed | 100 Mbps |

Mechanical properties

Mechanical data

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

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Plug |
| Head cable outlet | straight |
| Head thread type | M12 |
| Coding | D |

Cable/line

| | |
|---|--|
| Signal type/category | Ethernet CAT5 (based on IEC 11801), 100 Mbps |
| Stripping length of the individual wire | 5 mm |

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

| | |
|--------------------------|-----------------|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-101 |

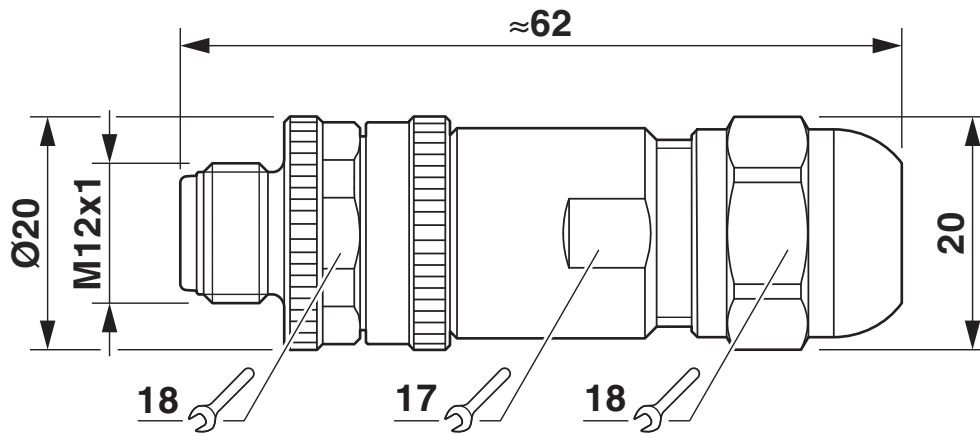
SACC-M12MSD-4CON-PG 9-SH - Data connector

1521261

<https://www.phoenixcontact.com/us/products/1521261>

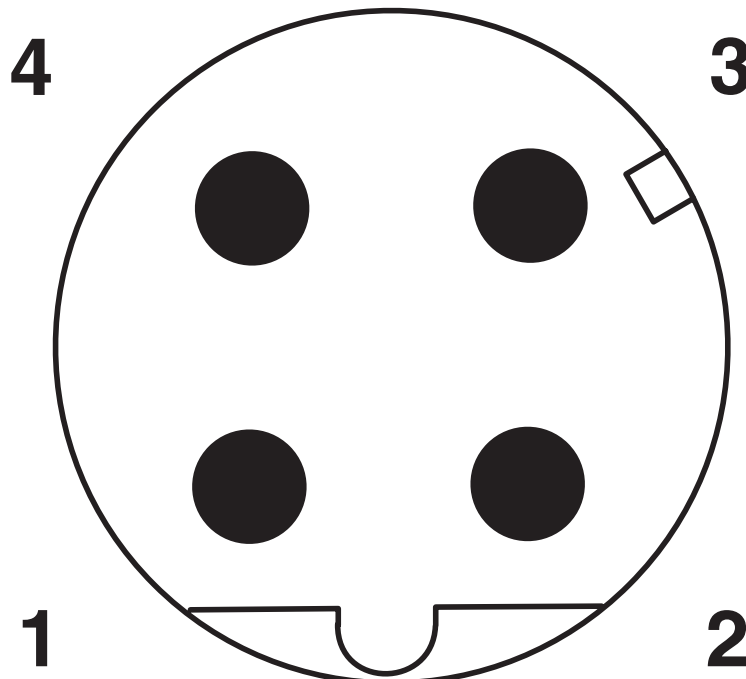
Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

SACC-M12MSD-4CON-PG 9-SH - Data connector





1521261

<https://www.phoenixcontact.com/us/products/1521261>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1521261>

|  cUL Recognized Approval ID: FILE E 221474 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 250 V | 4 A | - | - |

|  UL Recognized Approval ID: FILE E 221474 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 250 V | 4 A | - | - |

1521261

<https://www.phoenixcontact.com/us/products/1521261>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

1521261

<https://www.phoenixcontact.com/us/products/1521261>

Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | f3597e56-4b07-4c22-b732-db5ccf5e6c4b |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.769 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
 586 Fulling Mill Road
 Middletown, PA 17057, United States
 (+717) 944-1300
info@phoenixcon.com