

SACC-MCI-M12MS-8CON/1,5 - Contact carrier



1425791

<https://www.phoenixcontact.com/us/products/1425791>

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Assembled contact carrier and insulating body with 1.5 m litz wires and crimp contacts



Your advantages

- Convenient field assembly: device connectors for fast on-site mounting
- Contact carriers that are designed for assembly or available with preassembled litz wires
- Customer-specific assemblies and litz wire lengths available
- Standard pin assignments for signal and power transmission with a uniform design-in design

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1425791 |
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Product key | ABQCED |
| GTIN | 4055626428185 |
| Weight per piece (including packing) | 50.15 g |
| Weight per piece (excluding packing) | 50.15 g |
| Country of origin | DE |

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Technical data

Product properties

| | |
|----------------------|----------------|
| Product type | Contact insert |
| Number of positions | 8 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

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

Electrical properties

| | |
|-----------------------|----------------------------|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 30 V |
| Nominal current I_N | 2 A |

Connection data

| | |
|-------------------|------------------|
| Connection method | Individual wires |
|-------------------|------------------|

Signaling

| | |
|------------------------|----|
| Status display | no |
| Status display present | no |

Material specifications

| | |
|--|--------|
| Material Contact carrier | PA 6.6 |
| Material Contact | CuZn |
| Material Contact surface | Au |
| Flammability rating according to UL 94 | V0 |
| Outer sheath, material | TPE |

Connector

Connection 1

| | |
|-------------|-----|
| Head design | Pin |
|-------------|-----|

Cable/line

| | |
|---------------------------------|--|
| Cable type | TPE litz wire |
| Outer sheath, material | TPE |
| Conductor structure signal line | 0.25 mm |
| AWG signal line | 24 |
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation) |

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| | |
|--|---|
| | -25 °C ... 85 °C (Cable, flexible installation) |
|--|---|

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug / socket) |
| Ambient temperature (operation) (fixed installation) | -40 °C ... 85 °C (without mechanical actuation) |
| Ambient temperature (operation) (Cable, flexible installation) | -25 °C ... 85 °C (Cable, flexible installation) |
| Ambient temperature (operation) (Cable, fixed installation) | -40 °C ... 85 °C (cable, fixed installation) |

Standards and regulations

M12

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

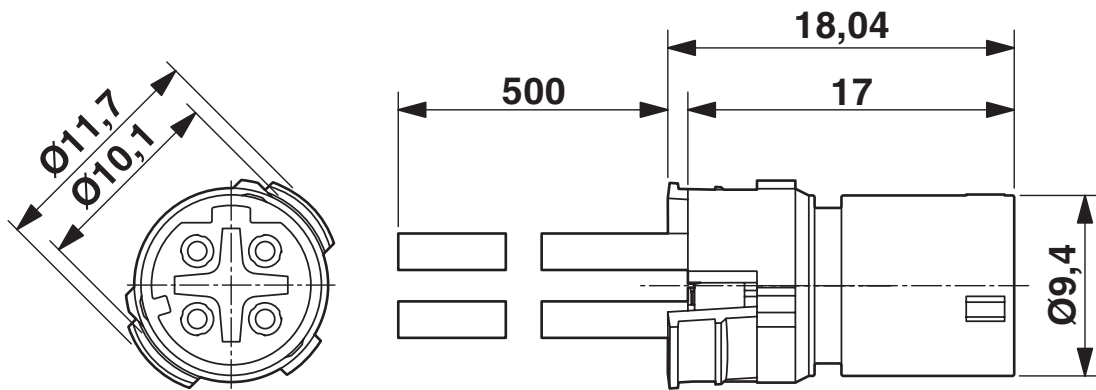
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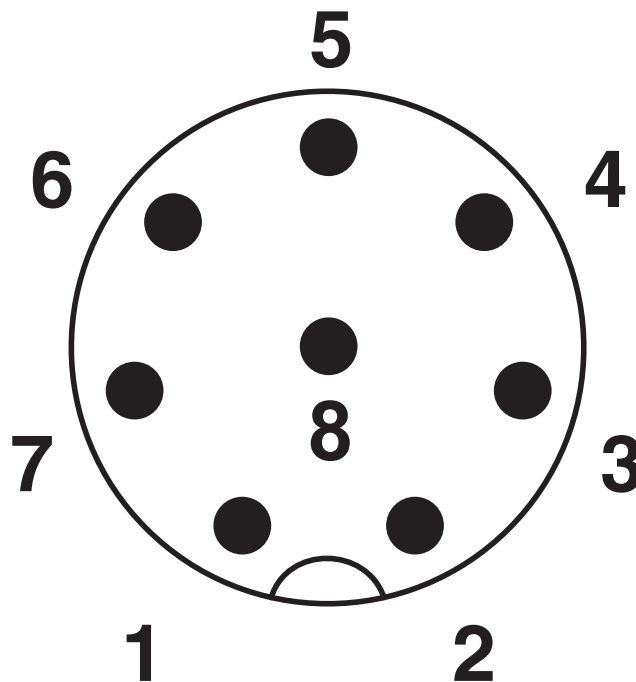
Drawings

Dimensional drawing



The figure shows the 4-pos., D-coded version

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

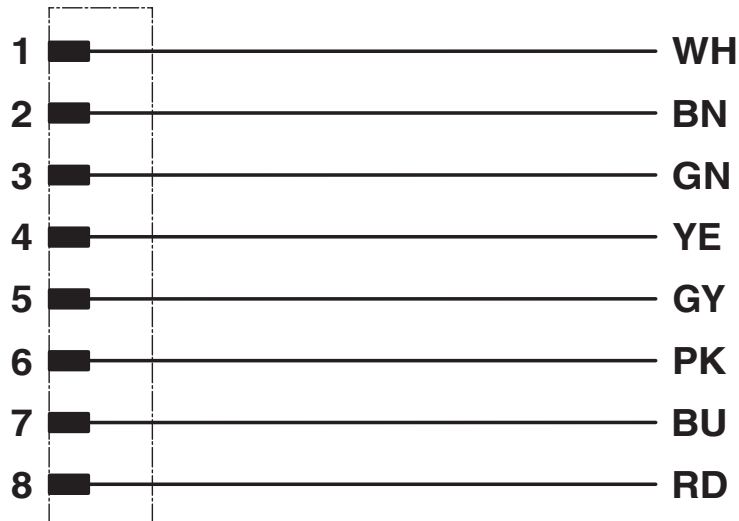
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Circuit diagram



Contact assignment of the M12 plug

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