

SACC-DSI-M12MS-8CON-PG9/0,5 VA

Order No.: 1554694



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1554694>

Sensor/actuator flush-type connector, 8-pos., M12, rear/screw mounting with PG9 thread, with 0.5 m TPE litz wire, 8 x 0.25 mm², high-grade steel version

| Commercial data | |
|--------------------------|---|
| GTIN (EAN) |  4 046356 170390 |
| sales group | D125 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Catalog page information | Page 144 (PC-2009) |

Product notes

WEEE/RoHS-compliant since: 11/10/2006



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| Technical data | |
|-----------------------|--------|
| General data | |
| Rated current at 40°C | 2 A |
| Rated voltage | 30 V |
| Number of positions | 8 |
| Volume resistance | ≤ 3 mΩ |

| | |
|---------------------------------|--|
| Insulation resistance | ≥ 100 MΩ |
| Length of cable | 0.5 m |
| Ambient temperature (operation) | -25 °C ... 85 °C (Male connector / female connector) |

General characteristics

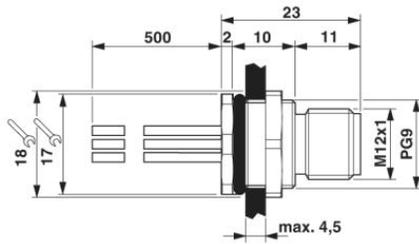
| | |
|--------------------------|-------------------------------|
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP67/IP69K |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 66 |
| Material, knurls | High-grade steel |
| Sealing material | NBR |
| Type of connection | Individual wires |
| Status display | No |

Conductor data

| | |
|------------------------------------|--|
| Cable type | TPE litz wire |
| Conductor cross section | 0.25 mm ² |
| AWG signal line | 24 |
| Conductor structure signal line | 14x 0.15 mm |
| Core diameter including insulation | 1.15 mm ±0.07 mm |
| Thickness, insulation | 0.21 mm |
| Wire colors | Brown, blue, white, gray, pink, green, yellow, red |
| Insulation resistance | ≥ 20 MΩ*km |
| Conductor resistance | ≤ 80 Ω/km |
| Nominal voltage, conductor | 300 V |
| Test voltage, conductor | 2000 V AC |
| Material conductor insulation | TPE |
| Conductor material | Tin-plated Cu litz wires |
| Ambient temperature (operation) | -25 °C ... 90 °C (cable, fixed installation) |

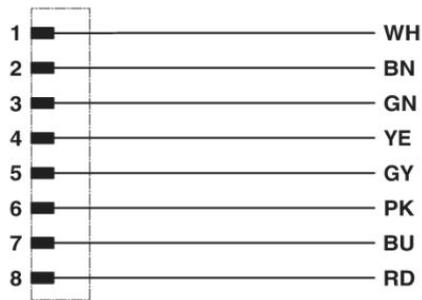
Diagrams/Drawings

Dimensioned drawing



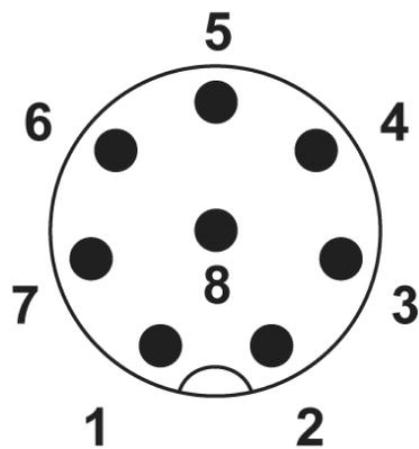
M12 flush-type connector

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram



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

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