

Panel feed-through - SACC-DSI-FS-8CON-PG 9/2,0 SCO - 1424030

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Sensor/actuator flush-type socket, 8-pos., M12 SPEEDCON, rear/screw mounting with Pg9 thread, with 2.0 m TPE litz wire, 8 x 0.25 mm²

Your advantages

- ✓ Pre-assembled with litz wires for immediate use
- ✓ Customer-specific assemblies and litz wire lengths available
- ✓ Sealed on the litz wire side for optimum leak-tightness
- ✓ All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- ✓ For high transmission safety: shield connection to the housing with optional EMC nut
- ✓ SPEEDCON fast locking system reduces cabling times



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 20 pc |
| GTIN |  4 046356 666756 |
| GTIN | 4046356666756 |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 2 m |
|-----------------|-----|

Ambient conditions

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| | -40 °C ... 85 °C (without mechanical actuation) |
| Degree of protection | IP67 |

General

| | |
|------|---|
| Note | The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using |
|------|---|

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Technical data

General

| | |
|-----------------------------|--|
| | a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
| Rated current at 40°C | 2 A |
| Rated voltage | 30 V |
| Rated surge voltage | 0.8 kV |
| Number of positions | 8 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Signal type/category | Universal |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Connection method | Individual wires |
| Insertion/withdrawal cycles | > 100 |
| Torque | 3 Nm ... 4 Nm (Installation-side) |
| Mounting type | Rear mounting Pg9 With locking nut |

Material

| | |
|--|------------------------------|
| Flammability rating according to UL 94 | V0 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 6.6 |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | FKM |

Cable

| | |
|------------------------------------|--|
| Cable type | TPE litz wire |
| Conductor cross section | 0.25 mm² |
| 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 |
| Material conductor insulation | TPE |
| Conductor material | Tin-plated Cu litz wires |
| Standards/specifications | M12 connector IEC 61076-2-101 |
| Insulation resistance | ≥ 20 MΩ*km |
| Conductor resistance | ≤ 80 mΩ/m |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V AC |
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation) |

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Technical data

Cable

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

Standards and Regulations

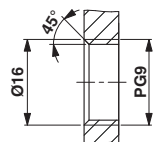
| | |
|--|-----------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

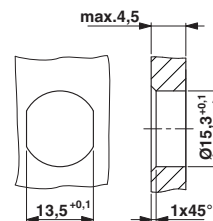
Drawings

Dimensional drawing



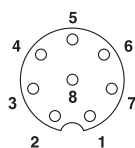
Housing cutout for Pg9 fastening thread, mounting panel with thread

Dimensional drawing



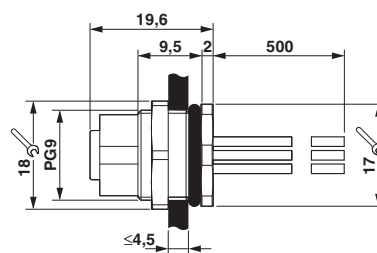
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

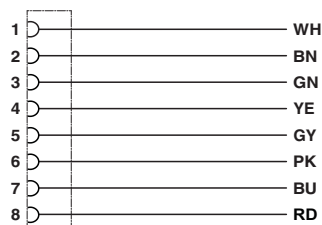
Dimensional drawing



M12 flush-type connector

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Circuit diagram



Contact assignment of the M12 socket

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC



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