

SAC-5P-MINMS/10,0-923/MINFR DN

Order No.: 1418837

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1418837>

Bus system cable, 5-position, PUR, halogen-free, Gray RAL 7001,
Plug, straight 7/8" 16UNF, on Socket, angled 7/8" 16UNF, Cable
length: 10 m

**Product notes**

WEEE/RoHS-compliant since:
03/12/2010



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Commercial data

| | |
|--------------------------|---------------------|
| GTIN (EAN) | 4046356539395 |
| Note | Made-to-order |
| sales group | D117 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Weight/Piece | 0.22222 KG |
| Catalog page information | Page 148 (NTK-2010) |

Technical data**General data**

| | |
|-----------------------|--------|
| Rated current at 40°C | 5.2 A |
| Rated voltage | 30 V |
| Number of positions | 5 |
| Volume resistance | < 5 mΩ |

| | |
|--|-------|
| Length of cable | 10 m |
| Stripping length of the free conductor end | 50 mm |

General characteristics

| | |
|--------------------------|------------------|
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/IP67/IP69K |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 66 |
| Material of grip body | TPU |
| Material, knurls | High-grade steel |
| Sealing material | TPU |
| Status display | No |

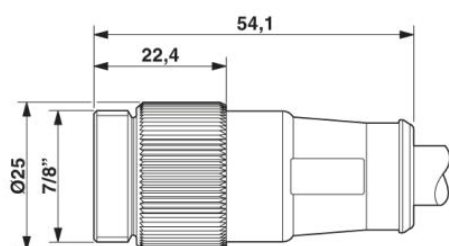
Conductor data

| | |
|-------------------------------------|-------------------------------------|
| Cable type | CAN Bus/DeviceNet |
| Cable type (abbreviation) | 923 |
| Conductor cross section | 0.2 mm ² (signal line) |
| | 0.32 mm ² (Power supply) |
| | 0.32 mm ² (Drain wire) |
| AWG signal line | 24 |
| Conductor structure signal line | 19x 0.12 mm |
| AWG power supply | 22 |
| Conductor structure, voltage supply | 19x 0.15 mm |
| Core diameter including insulation | 2.05 mm ±0.1 mm (signal line) |
| | 1.4 mm ±0.05 mm (Power supply) |
| External cable diameter | 6.70 mm |
| Wire colors | Red-black, blue-white |
| External sheath, color | Gray RAL 7001 |
| Insulation resistance | ≥ 5 GΩ*km (signal line) |
| | ≥ 100 MΩ*km (Power supply) |
| Conductor resistance | ≤ 78.4 Ω/km (signal line) |
| | ≥ 51.6 Ω/km (Power supply) |
| Working capacitance | 39.3 pF (Signal line, Core-Core) |
| | 78.7 pF (Signal line, Core-Shield) |

| | |
|---|---|
| Nominal voltage, conductor | 30 V (signal line) |
| | 300 V (Power supply) |
| Test voltage, conductor | 1500 V (signal line) |
| | 2000 V (Power supply) |
| Twisted pairs | 2 cores to the pair |
| Type of pair shielding | Aluminum-lined polyester foil |
| Overall twist | 2 pairs around a drain wire in the center to the core |
| Shielding | Braided shielding made of tin-plated copper wires |
| Optical shield covering | 70 % |
| Outer sheath, material | PUR |
| Material conductor insulation | PE (Power supply) |
| | Foamed PE (signal line) |
| Conductor material | Tin-plated Cu litz wires |
| Smallest bending radius, fixed installation | 67 mm |
| Smallest bending radius, movable installation | 67 mm |
| Number of bending cycles | 5000000 |
| Bending radius | 67 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 7 m/s ² |
| Halogen-free | complying with IEC 60754-1/2 |

Diagrams/Drawings

Dimensioned drawing

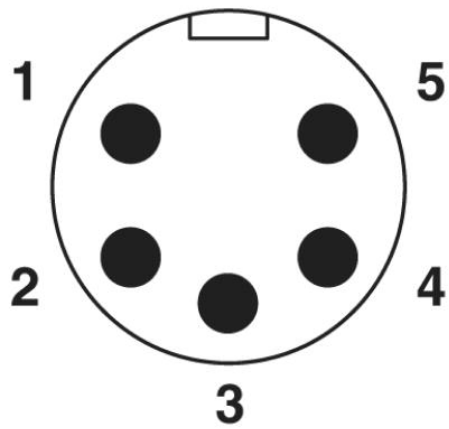


7/8" connector, straight

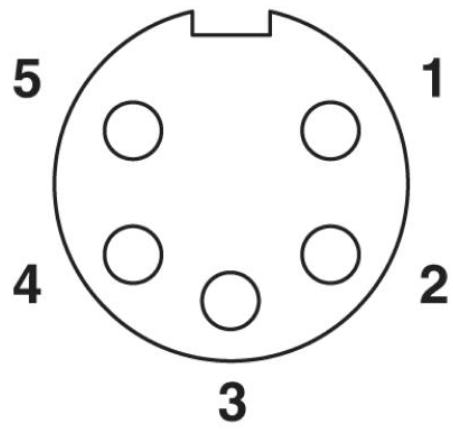
Circuit diagram

Contact assignment of the 7/8" connector and the 7/8" socket

Schematic diagram



Connector pin assignment for 7/8"-16UNF conn., 5-pos.



Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

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