

## Bus system cable - SAC-5P-MINMS/ 2,0-U40 - 1416681

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Bus system cable, DeviceNet™, 5-position, PVC, gray, Plug straight 7/8"-16UNF, on free cable end, cable length: 2 m



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 STK         |
| GTIN         |               |
| GTIN         | 4055626219363 |

### Technical data

#### Dimensions

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

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -20 °C ... 75 °C (Plug / socket) |
| Degree of protection            | IP68                             |

#### General

|                              |                                    |
|------------------------------|------------------------------------|
| Rated current at 40°C        | 8 A                                |
| Rated voltage                | 600 V AC<br>600 V DC               |
| Number of positions          | 5                                  |
| Color handle area            | gray                               |
| Insulation resistance        | ≥ 100 MΩ                           |
| Coding                       | A - standard                       |
| Signal type/category         | DeviceNet™                         |
| Status display               | No                                 |
| Protective circuit/component | Unwired                            |
| Torque                       | 10 lb <sub>r</sub> -in.<br>1.12 Nm |

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## Technical data

### Material

|                          |                   |
|--------------------------|-------------------|
| Contact material         | CuZn              |
| Contact surface material | Au                |
| Contact carrier material | PVC               |
| Material of grip body    | PVC               |
| Material, knurls         | Anodized aluminum |

### Cable

|                                     |   |
|-------------------------------------|---|
| Cable type                          | DeviceNet trunk cable                                 |
| Cable abbreviation                  | U40   |
| Cable structure                     | 2xAWG18+2xAWG15+1xAWG18                               |
| Conductor cross section             | 2 x AWG 18 data cable                                 |
|                                     | 2 x AWG 15 power supply                               |
|                                     | 1 x AWG 18 drain wire                                 |
| AWG signal line                     | 18  |
| AWG power supply                    | 15  |
| Conductor structure signal line     | 19 x AWG 30   |
| Conductor structure, voltage supply | 19 x AWG 28   |
| Wire colors                         | Red-black, blue-white                                 |
| Twisted pairs                       | 2 cores to the pair                                   |
| Type of pair shielding              | Plastic-coated aluminum foil, aluminum side outside   |
| Overall twist                       | 2 pairs around a drain wire in the center to the core |
| Shielding                           | Tinned copper braided shield                          |
| Optical shield covering             | 65 %  |
| External sheath, color              | gray  |
| External cable diameter D           | 11.43 mm  |
| Outer sheath, material              | PVC   |
| Material conductor insulation       | Foamed PE   |
|                                     | PVC (Power supply)                                    |
| Conductor material                  | Tin-plated Cu litz wires                              |
| Flame resistance                    | UL 1581, FT4  |
| Resistance to oil                   | OIL RES I according to UL 2256                        |
| Other resistance                    | UV resistant (720 h) UL 2556                          |
| Ambient temperature (operation)     | -20 °C ... 75 °C (cable, fixed installation)          |
|                                     | -5 °C ... 80 °C (cable, flexible installation)        |

### Standards and Regulations

|                   |                                |
|-------------------|--------------------------------|
| Flame resistance  | UL 1581, FT4                   |
| Resistance to oil | OIL RES I according to UL 2256 |
| Other resistance  | UV resistant (720 h) UL 2556   |

### Environmental Product Compliance

|            |  |
|------------|--|
| China RoHS | Environmentally Friendly Use Period = 50 |
|------------|--|

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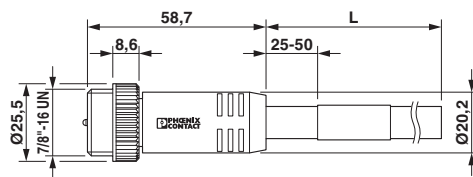
## Technical data

### Environmental Product Compliance

|  |   |
|--|---|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|---|

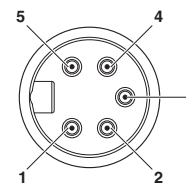
## Drawings

Dimensional drawing



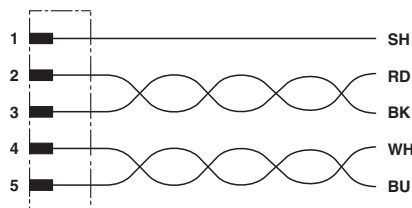
7/8"-16UNF plug, straight

Schematic diagram



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

Circuit diagram



Contact assignment of 7/8"

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

### Approval details

|           |  |   |               |
|-----------|--|---|---------------|
| UL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|-----------|--|---|---------------|

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### Approvals

cUL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 221474

cULus Listed



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