

Bus system cable - SAC-5P-MINMS/ 2,0-U30/MINFS - 1416689

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

DeviceNet

Key Commercial Data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 STK |
| Weight per Piece (excluding packing) | 200.000 g |
| Custom tariff number | 85444290 |
| Country of origin | Mexico |

Technical data

Dimensions

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

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -20 °C ... 70 °C (Plug / socket) |
| Degree of protection | IP68 |

General

| | |
|-----------------------|------------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 300 V AC/DC |
| Number of positions | 5 |
| Signal type/category | DeviceNet™ |
| Torque | 10 lb _f -in. 1.12 Nm |

Material

| | |
|--------------------------|------|
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PVC |
| Material of grip body | PVC |

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Technical data

Material

| | |
|------------------|-------------------|
| Material, knurls | Anodized aluminum |
|------------------|-------------------|

Cable

| | |
|-------------------------------------|---|
| Cable type | CAN Bus/DeviceNet drop cable |
| Cable abbreviation | U30 |
| Cable structure | 2xAWG24+2xAWG22+1xAWG18 |
| Conductor cross section | 2 x AWG 24 data cable |
| | 2 x AWG 22 power supply |
| | 1 x AWG 18 drain wire |
| AWG signal line | 24 |
| AWG power supply | 22 |
| Conductor structure signal line | 19 x AWG 36 |
| Conductor structure, voltage supply | 19 x AWG 34 |
| 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 |
| Optical shield covering | 65 % |
| External sheath, color | gray |
| External cable diameter D | 6.6 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 | UL oil resistance |
| Other resistance | PLTC-ER sunlight resistance |

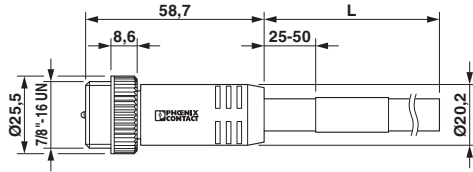
Standards and Regulations

| | |
|-------------------|-----------------------------|
| Resistance to oil | UL oil resistance |
| Flame resistance | UL 1581, FT4 |
| Other resistance | PLTC-ER sunlight resistance |

Drawings

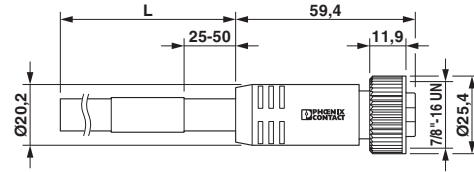
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Dimensional drawing



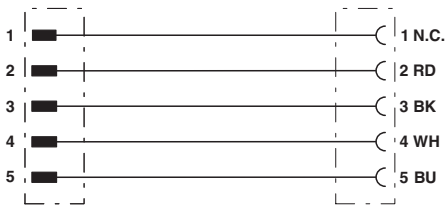
7/8"-16UNF plug, straight

Dimensional drawing



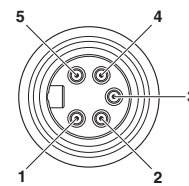
7/8"-16UNF socket, straight

Circuit diagram



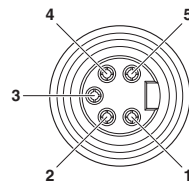
Contact assignment of 7/8" plugs/sockets

Schematic diagram



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

Schematic diagram



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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed


Ex Approvals


Approval details

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Approvals

| | | | |
|-----------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
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| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
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| cULus Listed |  | | |
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