

Bus system cable - SAC-5P-MR/ 1,5-924/FR SCO - 1405974


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Bus system cable, CANopen[®]/DeviceNet[™], 5-position, PVC, gray, shielded, Plug angled M12-SPEEDCON, A-coded, on Socket angled M12-SPEEDCON, A-coded, Cable length: 1.5 m



Key commercial data

| | |
|-------------------|---|
| Packing unit | 1 PCE |
| GTIN |  4 046356 800549 |
| Country of origin | UNITED STATES |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 1.5 m |
|-----------------|-------|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| Degree of protection | IP65 |
| | IP67 |

General

| | |
|------------------------|--------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Number of positions | 5 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |

Bus system cable - SAC-5P-MR/ 1,5-924/FR SCO - 1405974

Technical data

General

| | |
|--------------------------|---|
| Torque | 0.4 Nm (M12 plug-in connector) |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | NBR |
| Status display | No |

Line characteristics

| | |
|-------------------------------------|---|
| Cable type | CAN Bus/DeviceNet gray |
| Cable type (abbreviation) | 924 |
| UL AWM style | 2464 (80°C/300 V) |
| Cable structure | 2xAWG22 (Signal) + 2xAWG22 (Power) |
| AWG signal line | 22 |
| AWG power supply | 22 |
| Conductor structure signal line | 19x 0.15 mm |
| Conductor structure, voltage supply | 19x 0.15 mm |
| Core diameter including insulation | 1.27 mm ±0.05 mm (signal line) |
| | 2.24 mm ±0.13 mm (Power supply) |
| Wire colors | Red-black, blue-white |
| Twisted pairs | 2 cores to the pair |
| Type of pair shielding | Plastic-coated aluminum foil, aluminum side inside |
| Overall twist | 2 pairs around a drain wire in the center to the core |
| Shielding | Plastic-coated aluminum foil with a filler litz wire, aluminum side outside |
| External sheath, color | gray |
| External cable diameter D | 6.9 mm ±0.13 mm |
| Outer sheath, material | PVC |
| Material conductor insulation | Foamed PE (signal line) |
| | PVC (Power supply) |
| Conductor material | Bare Cu litz wires |
| Special properties | UL standards PLTC and ITC |
| Resistance to oil | Yes |
| Other resistance | UV resistant |
| Ambient temperature (operation) | -30 °C ... 75 °C (cable, fixed installation) |

Bus system cable - SAC-5P-MR/ 1,5-924/FR SCO - 1405974

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060307 |
| eCl@ss 4.1 | 27060307 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27060307 |
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |

ETIM

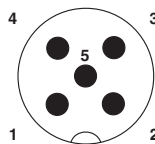
| | |
|----------|----------|
| ETIM 3.0 | EC000830 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 26121616 |
| UNSPSC 7.0901 | 26121616 |
| UNSPSC 11 | 26121604 |
| UNSPSC 12.01 | 26121616 |
| UNSPSC 13.2 | 26121616 |

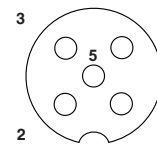
Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

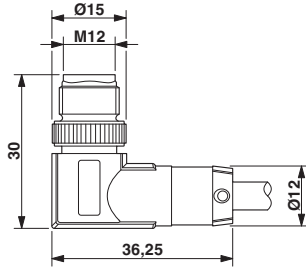
Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

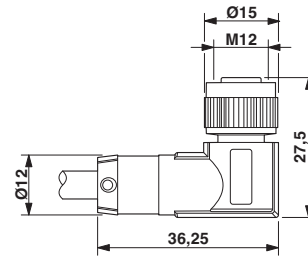
Bus system cable - SAC-5P-MR/ 1,5-924/FR SCO - 1405974

Dimensioned drawing



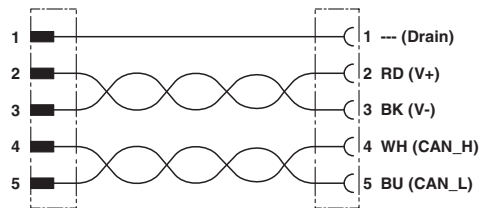
M12 x 1 male plug, angled, shielded

Dimensioned drawing



M12 x 1 socket, angled, shielded

Circuit diagram



Contact assignment of the M12 plug and the M12 socket