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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Sensor/Actuator cable - SAC-2P- 3,0-PUR/DTFS - 1410724


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Sensor/Actuator cable, 2-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight DEUTSCH DT06-2S Clip locking, Cable length: 3 m

RoHS

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 924245 |
| GTIN | 4046356924245 |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 3 m |
|-----------------|-----|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -20 °C ... 85 °C (Plug / socket) |
| Degree of protection | IP67 |

General

| | |
|------------------------------|--------------|
| Rated current at 40°C | 8 A |
| Rated voltage | 48 V |
| Number of positions | 2 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Status display | No |
| Protective circuit/component | Unwired |

Material

| | |
|--|---------------|
| Flammability rating according to UL 94 | V2 |
| Contact material | Cu alloy |
| Contact surface material | Nickel-plated |

Sensor/Actuator cable - SAC-2P- 3,0-PUR/DTFS - 1410724

Technical data

Material

| | |
|--------------------------|---------------|
| Contact carrier material | PA 66 |
| Material of grip body | PA |
| Material, knurls | not available |
| Sealing material | Silicon |

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V2 |
|--|----|

Cable

| | |
|---|---------------------------------------|
| Cable type | PUR halogen-free black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | Li9Y11Y |
| UL AWM style | 20549 / 10493 (80°C/300 V) |
| Conductor cross section | 2x 0.75 mm ² (Signal line) |
| AWG signal line | 18 |
| Conductor structure signal line | 42x 0.15 mm |
| Core diameter including insulation | 1.69 mm ±0.05 mm (Signal line) |
| Thickness, insulation | ≥ 0.21 mm |
| Wire colors | brown, blue |
| Overall twist | 2 wires, twisted |
| External sheath, color | black-gray RAL 7021 |
| Outer sheath thickness | ≥ 0.38 mm |
| External cable diameter D | 4.8 mm ±0.15 mm |
| Minimum bending radius, fixed installation | 5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Number of bending cycles | 4000000 |
| Bending radius | 48 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s ² |
| Cable weight | 33 kg/km |
| Outer sheath, material | PUR |
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 1 GΩ*km (at 20 °C) |
| Conductor resistance | ≤ 26 Ω/km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V AC |
| Test voltage, cable | ≥ 3000 V AC (Spark test) |
| Special properties | flexible |
| | Flexible cable conduit capable |
| Flame resistance | according to UL 758/1581 (horizontal) |
| | in accordance with UL 758/1581 FT2 |

Sensor/Actuator cable - SAC-2P- 3,0-PUR/DTFS - 1410724

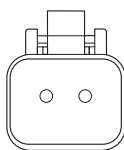
Technical data

Cable

| | |
|---------------------------------|--|
| | according to DIN EN 60332-2-2 |
| Halogen-free | in accordance with DIN VDE 0472 part 815 |
| | in accordance with DIN EN 50267-2-1 |
| Resistance to oil | According to DIN EN 60811-2-1, 168 h at 100°C |
| | According to UL 758, 168 h at 60°C |
| Other resistance | hydrolysis and microbe resistant |
| | partly UV-resistant in accordance with DIN EN ISO 4892-2-A |
| | Low adhesion |
| | abrasion-resistant |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -25 °C ... 80 °C (cable, flexible installation) |

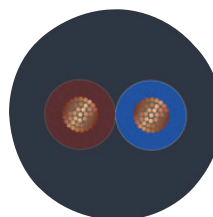
Drawings

Schematic diagram



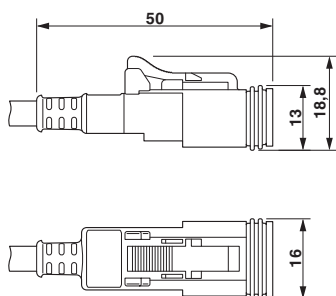
DEUTSCH DT06-2S pin assignment

Cable cross section



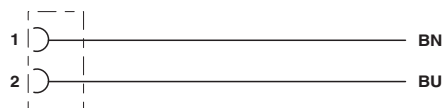
PUR halogen-free black [PUR]

Dimensional drawing



DEUTSCH DT06-2S, top view and side view

Circuit diagram



Contact assignment of the DEUTSCH DT06-2S

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