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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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Sensor/Actuator cable - SAC-3P- 5,0-PVC/C-1L-Z - 1439528

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Sensor/Actuator cable, 3-position, PVC, Black RAL 9005, free cable end, on Valve connector C (8 mm), with 1 LED, connected with Z diode, connected with Z diode, Cable length: 5 m

Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust valve connector with Zener diode as protective circuit
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics



Key commercial data

| | |
|----------------------|----------|
| Packing unit | 1 pc |
| Custom tariff number | 85444290 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 5 m |
|-----------------|-----|

Ambient conditions

| | |
|---------------------------------|-------------------------------|
| Ambient temperature (operation) | -20 °C ... 85 °C (valve plug) |
| Degree of protection | IP65 |
| | IP67 |

General

| | |
|-----------------------|-------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 24 V |
| Number of positions | 3 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Standards/regulations | Valve connector EN 175301-803 |

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Technical data

General

| | |
|------------------------------|---------|
| Status display | 1 LED |
| Protective circuit/component | Z diode |
| Surge voltage category | III |
| Pollution degree | 3 |

Material

| | |
|---|-------------------|
| Inflammability class according to UL 94 | V0 |
| Valve plug contact material | CuSn |
| Valve plug contact surface material | Sn |
| Valve plug contact insert material | PA 66 |
| Material housing valve plug | TPU |
| Sealing material | TPU (Seal molded) |

Cable

| | |
|--|--|
| Cable type | PVC black |
| Cable type (abbreviation) | PVC |
| Cable abbreviation | LiYY |
| UL AWM style | 2464 |
| Conductor cross section | 3x 0.5 mm ² |
| AWG signal line | 20 |
| Conductor structure signal line | 16x 0.20 mm |
| Core diameter including insulation | 1.5 mm ±0.05 mm |
| Wire colors | black 1, black 2, green/yellow |
| Overall twist | 3 wires, twisted |
| External sheath, color | Black RAL 9005 |
| External cable diameter D | 4.8 mm ±0.2 mm |
| Minimum bending radius, fixed installation | 5 x D |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 20 MΩ*km |
| Conductor resistance | 39 Ω/km (at 20 °C) |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 1200 V |
| Flame resistance | DIN VDE 0482 |
| | DIN EN 50265-2-1 |
| Resistance to oil | Almost oil-resistant |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |

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Technical data

Cable

| | |
|--|--|
| | -5 °C ... 80 °C (cable, flexible installation) |
|--|--|

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |

ETIM

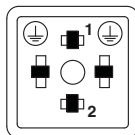
| | |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

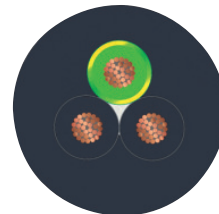
Drawings

Schematic diagram



Valve connector connector pin assignment, type C

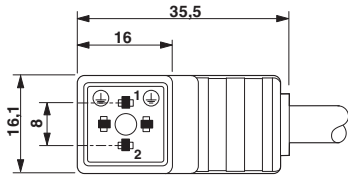
Cable cross section



PVC black [PVC]

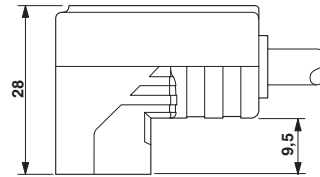
Sensor/Actuator cable - SAC-3P- 5,0-PVC/C-1L-Z - 1439528

Dimensioned drawing



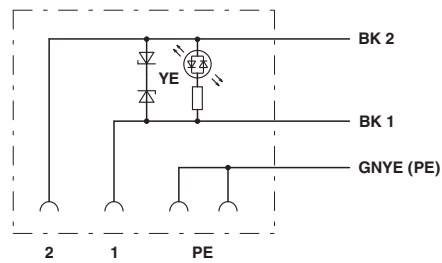
Valve connector, type C

Dimensioned drawing



Valve connector, type C, side view

Circuit diagram



Contact assignment of the valve plug