



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)

Sensor/Actuator cable - SAC-3P-10,0-PVC/CI-1L-V - 1415944

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://phoenixcontact.com/download>)



Sensor/Actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector CI (9.4 mm), with 1 LED, connected with Varistor, Cable length: 10 m

Why buy this product

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

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 055626 055190 |

Technical data

Dimensions

| | |
|-----------------|------|
| Length of cable | 10 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 |
| Insulation resistance | ≥ 100 MΩ |
| Status display | 1 LED |
| Protective circuit/component | Varistor |
| Overvoltage category | III |
| Degree of pollution | 3 |

Material

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Sensor/Actuator cable - SAC-3P-10,0-PVC/CI-1L-V - 1415944

Technical data

Material

| | |
|-------------------------------------|-------------------|
| 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) |

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |

Sensor/Actuator cable - SAC-3P-10,0-PVC/CI-1L-V - 1415944

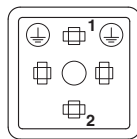
Classifications

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC001855 |
|----------|----------|

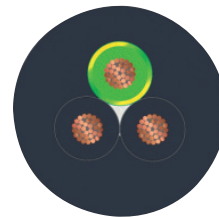
Drawings

Schematic diagram



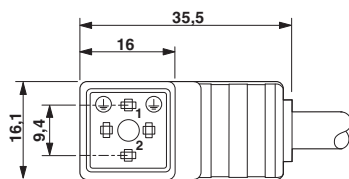
Valve connector connector pin assignment, type CI

Cable cross section



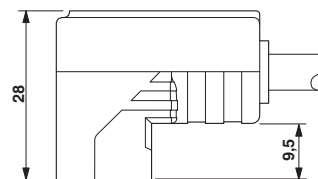
PVC black [PVC]

Dimensional drawing



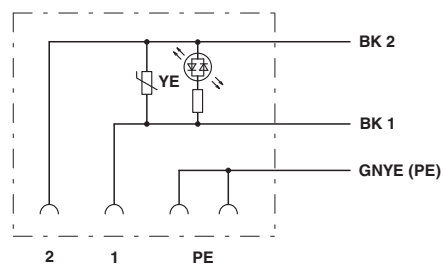
Valve connector, type CI

Dimensional drawing



Valve connector, type CI, side view

Circuit diagram



Contact assignment of the valve plug

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

| Product | Code | Reference | Product link |
|---|---------|-------------------------|----------------------------|
| Sensor/Actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector CI (9.4 mm), with 1 LED, connected with Varistor, Cable length: 10 m | 1415944 | SAC-3P-10,0-PVC/CI-1L-V | Buy on EAN |