

## Sensor/actuator cable - SAC-4P- 3,0-PVC/AD - 1455670

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Sensor/actuator cable, 4-position, PVC, black RAL 9005, free cable end, on Valve connector AD (pressure switch), cable length: 3 m

### Key Commercial Data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 1                                                                                                       |
| GTIN                 | <br>4 046356 579513 |
| GTIN                 | 4046356579513                                                                                           |
| Custom tariff number | 85444290                                                                                                |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 3 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                | 230 V AC                      |
|                              | 230 V DC                      |
| Number of positions          | 4                             |
| Insulation resistance        | ≥ 100 MΩ                      |
| Standards/regulations        | Valve connector EN 175301-803 |
| Status display               | No                            |
| Protective circuit/component | unwired                       |
| Overvoltage category         | III                           |
| Degree of pollution          | 3                             |

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## Technical data

### General

|        |                          |
|--------|--------------------------|
| Torque | 0.6 Nm (Valve connector) |
|--------|--------------------------|

### Material

|                                        |      |
|----------------------------------------|------|
| Flammability rating according to UL 94 | V0   |
| Valve plug contact material            | CuSn |
| Valve plug contact surface material    | Sn   |
| Valve plug contact insert material     | PA 6 |
| Material housing valve plug            | TPU  |

### Standards and Regulations

|                                        |                 |
|----------------------------------------|-----------------|
| Standard designation                   | Valve connector |
| Standards/regulations                  | EN 175301-803   |
| Flammability rating according to UL 94 | V0              |

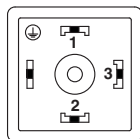
### Cable

|                                            |                                                |
|--------------------------------------------|------------------------------------------------|
| Cable type                                 | PVC black                                      |
| Cable type (abbreviation)                  | PVC                                            |
| Cable abbreviation                         | LiYY                                           |
| UL AWM style                               | 2464                                           |
| Conductor cross section                    | 4x 0.5 mm <sup>2</sup>                         |
| 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, black 3, green/yellow        |
| Overall twist                              | 4 wires, twisted                               |
| External sheath, color                     | black RAL 9005                                 |
| External cable diameter D                  | 5.2 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                          | largely oil-resistant                          |
| Ambient temperature (operation)            | -40 °C ... 80 °C (cable, fixed installation)   |
|                                            | -5 °C ... 80 °C (cable, flexible installation) |

## Drawings

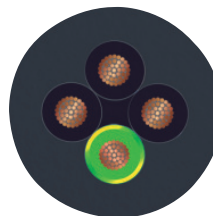
# Sensor/actuator cable - SAC-4P- 3,0-PVC/AD - 1455670

Schematic diagram



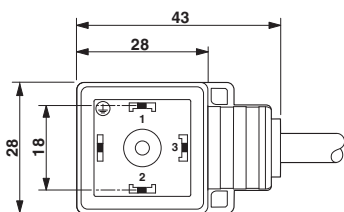
Valve plug connector pin assignment, type AD

Cable cross section



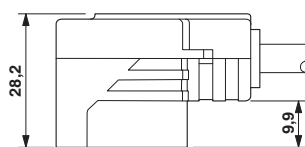
PVC black [PVC]

Dimensional drawing



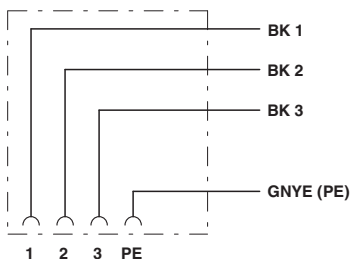
Valve connector, type AD

Dimensional drawing



Valve connector, type AD, side view

Circuit diagram



Contact assignment of the valve plug

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061800 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060312 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |

### UNSPSC

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

## Approvals

### Approvals

#### Approvals

#### CSAus

#### Ex Approvals

### Approval details

|                    |       |                                                                                                                                         |       |
|--------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSAus              |       | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
| Nominal voltage UN | 230 V |                                                                                                                                         |       |
| Nominal current IN | 6 A   |                                                                                                                                         |       |

## Accessories

### Accessories

#### Conductor marking

Insert label - PABA WH/23 - 1013779



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 - 35 mm, lettering field size: 23 x 4 mm

## Sensor/actuator cable - SAC-4P- 3,0-PVC/AD - 1455670

### Accessories

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Insert label - PABA YE/23 - 1013782



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 - 35 mm, lettering field size: 23 x 4 mm

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Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 - 50 mm, lettering field size: 15 x 4 mm

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Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 - 50 mm, lettering field size: 15 x 4 mm

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Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 - 50 mm, lettering field size: 15 x 4 mm

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### Corrugated pipe

Protective hose - WP-PA HF 13,0 BK - 3240681



Polyamide protective hose, inflammability class V0, UV resistant

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## Sensor/actuator cable - SAC-4P- 3,0-PVC/AD - 1455670

### Accessories

Protective hose - WP-PA HF-HB 13,0 BK - 3240839



Polyamide protective hose, inflammability class HB, UV resistant

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### Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

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### Marker carrier cable

Conductor marker carrier - PATG 2/15 - 1013038



Conductor marker carrier, transparent, unlabeled, mounting type: slide on, cable diameter range: 2 - 4 mm, lettering field size: 15 x 4 mm

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Conductor marker carrier - PATG 3/15 - 1013041



Conductor marker carrier, transparent, unlabeled, mounting type: slide on, cable diameter range: 4 - 7 mm, lettering field size: 15 x 4 mm

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Conductor marker carrier - PATG 4/15 - 1013054



Conductor marker carrier, transparent, unlabeled, mounting type: slide on, cable diameter range: 6 - 10 mm, lettering field size: 15 x 4 mm

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### Marker pen

## Sensor/actuator cable - SAC-4P- 3,0-PVC/AD - 1455670

### Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### Mounting material

Screw - SAC-V-SCREW-M3-29 KNURL - 1403779



Fillister head screw with plastic knurl, M3 x 40

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### Screwdriver tools

Screw insert - SF-BIT-PH 1-70 - 1212582



Screw bit, PH crosshead, E6.3-1/4" drive, size: PH 1 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

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### Stripping tool

Stripping tool - WIREFOX SAC-1 - 1212757



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

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Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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## Sensor/actuator cable - SAC-4P- 3,0-PVC/AD - 1455670

### Accessories

Stripping tool - WIREFOX 10 - 1212150



Stripping tool, for cables and conductors from 0.02 - 10 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

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### Torque tool

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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Protective hose adapter - WP-CTA POM 13,0 BK - 1422884



Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel