

## Sensor/actuator cable - SAC-3P- 1,5-534/A-1L-V 230V - 1453711

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Sensor/actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector A, with 1 LED, connected with Varistor, cable length: 1.5 m

RoHS

### Key Commercial Data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1 pc                                                                                                    |
| Minimum order quantity | 50 pc                                                                                                   |
| GTIN                   | <br>4 046356 554688 |
| GTIN                   | 4046356554688                                                                                           |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Length of cable | 1.5 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                | 230 V AC                      |
|                              | 230 V DC                      |
| Number of positions          | 3                             |
| Insulation resistance        | ≥ 100 MΩ                      |
| Standards/regulations        | Valve connector EN 175301-803 |
| Status display               | 1 LED                         |
| Protective circuit/component | Varistor 230 V                |
| 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 6.6            |
| Material housing valve plug            | TPU               |
| Sealing material                       | TPU (Seal molded) |

### Standards and Regulations

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

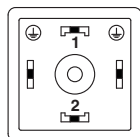
### Cable

|                                            |                                                |
|--------------------------------------------|------------------------------------------------|
| Cable type                                 | PVC, 0.75 mm <sup>2</sup> , black              |
| Cable type (abbreviation)                  | 534                                            |
| Conductor cross section                    | 3x 0.75 mm <sup>2</sup> (Signal line)          |
| AWG signal line                            | 18                                             |
| Conductor structure signal line            | 24x 0.20 mm                                    |
| Core diameter including insulation         | 1.7 mm ±0.1 mm                                 |
| Wire colors                                | black 1, black 2, green/yellow                 |
| Overall twist                              | 3 wires, twisted                               |
| External sheath, color                     | black                                          |
| External cable diameter D                  | 5.3 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                      | min. 20 MΩ*km (at 20 °C)                       |
| Conductor resistance                       | 26 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                               |
|                                            | in acc. to UL VW1                              |
| Resistance to oil                          | in accordance with DIN EN 60811-2-1            |
| Ambient temperature (operation)            | -40 °C ... 80 °C (cable, fixed installation)   |
|                                            | -5 °C ... 80 °C (cable, flexible installation) |

## Drawings

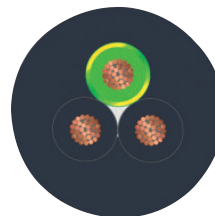
# Sensor/actuator cable - SAC-3P- 1,5-534/A-1L-V 230V - 1453711

Schematic diagram



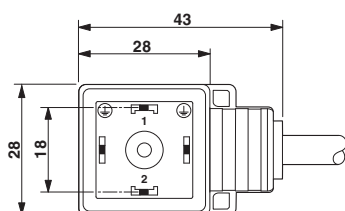
Valve connector pin assignment, type A

Cable cross section



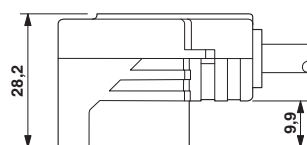
PVC [534]

Dimensional drawing



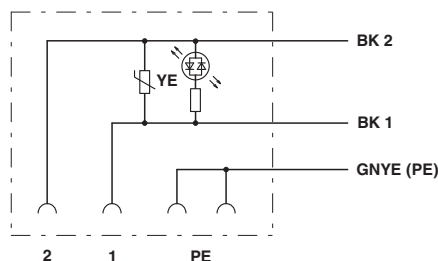
Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

Circuit diagram



Contact assignment of the valve plug

## Approvals

### Approvals

Approvals

CSA / CSAus / cCSAus

Ex Approvals

### Approval details

## Sensor/actuator cable - SAC-3P- 1,5-534/A-1L-V 230V - 1453711

### Approvals

|                    |                                                                                   |                                                                                                                                         |       |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                |  | <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 |                                                                                   | 4 A                                                                                                                                     |       |

|                    |                                                                                   |                                                                                                                                         |       |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| 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 |                                                                                   | 4 A                                                                                                                                     |       |

|        |                                                                                    |  |  |
|--------|------------------------------------------------------------------------------------|--|--|
| cCSAus |  |  |  |
|--------|------------------------------------------------------------------------------------|--|--|

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

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