

## Technical data sheet

### Suppression Technology · Valve suppressors

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**Design A (18mm), 2-pin + 2×PE**

**PVC connecting lead 3×0,5mm<sup>2</sup>, protection device, LED status display**

**With bridged ground conductor (PE), 0°/180° mounting possible**



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#### Identification

|          |                        |
|----------|------------------------|
| Type     | LS-A-9606 5m PVC 24V   |
| Part No. | <a href="#">709606</a> |

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#### Product version

|                   |    |
|-------------------|----|
| Datasheet version | 01 |
|-------------------|----|

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#### Technical data

|                         |                           |
|-------------------------|---------------------------|
| Type of function        | Valve suppressor          |
| Protection device       | Suppressor diode + LED    |
| Rated voltage $U_N$     | AC/DC 24 V                |
| Current Consumption     | 4 mA                      |
| Cut-off peak            | ≤52 V                     |
| Rated frequency $f_N$   | 50 Hz / 60 Hz             |
| Holding Capacity        | 100 VA                    |
| Type of connecting lead | 3×0.5 mm <sup>2</sup> PVC |
| Cable length            | 5 m                       |

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#### General

|                        |            |
|------------------------|------------|
| Design                 | A (18 mm)  |
| Status indication      | LED yellow |
| Ampacity               | ≤4 A       |
| Contact resistance     | <10 mΩ     |
| Insulation resistance  | >100 MΩ    |
| Pole number            | 3          |
| Conductor construction | 16×0.20    |

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#### United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0  
[www.lutze.com](http://www.lutze.com) • [sales.gb@lutze.co.uk](mailto:sales.gb@lutze.co.uk)

#### Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt  
Tel. +49 (0)7151 6053-0  
[www.luetze.de](http://www.luetze.de) • [info@luetze.de](mailto:info@luetze.de)

14.07.2025 • Subject to technical modification

Part No. [709606](#) • Datasheet version: 01

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|                               |                             |
|-------------------------------|-----------------------------|
| Conductor                     | CU-wire bare                |
| Conductor color               | brown, blue, yellow-green   |
| Conductor insulation          | PVC                         |
| Jacket material               | PVC                         |
| Jacket color                  | black similar to RAL 9005   |
| Connecting lead Ø             | 4.8 ± 0.20 mm               |
| Minimum bending radius moving | 10×D                        |
| Minimum bending radius fixed  | 5×D                         |
| Housing material              | TPU                         |
| Color of the housing          | Black translucent           |
| Contact material              | CuSn silver-plated          |
| Degree of pollution           | 3                           |
| Mechanical service life       | >100 insertion cycles       |
| Degree of protection          | IP65/67                     |
| Mounting                      | Breakaway torque 0.6 Nm     |
| Temperature range connector   | -20 °C ... +85 °C           |
| Temperature range fixed       | -40 °C ... +80 °C           |
| Temperature range moving      | -5 °C ... +80 °C            |
| Operation temperature range   | -20 °C ... +85 °C           |
| Storage temperature range     | -30 °C ... +85 °C           |
| Dimensions (w × h × d)        | 28.0 mm × 28.2 mm × 43.0 mm |
| Weight/unit                   | 0.208 kg                    |
| PU (units)                    | 1                           |

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#### Certifications/Standards

|                               |                                                   |
|-------------------------------|---------------------------------------------------|
| Standards                     | EN 175301-803                                     |
| Burning behavior according to | IEC 60332-1-2<br>DIN VDE 0482<br>DIN EN 50265-2-1 |
| Oil resistant according to    | DIN EN 60811-2-1                                  |

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#### Equipment/Spare parts

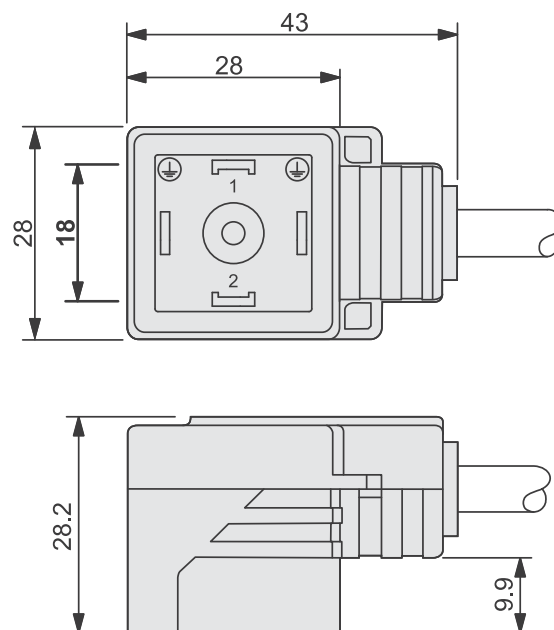
|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| <b>Accessories</b> | <b>Tag holder 9×20 mm, white:</b> Part-No. 681315   BZT-0920   PU: 100 units |
|--------------------|------------------------------------------------------------------------------|

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#### Notes and Comments

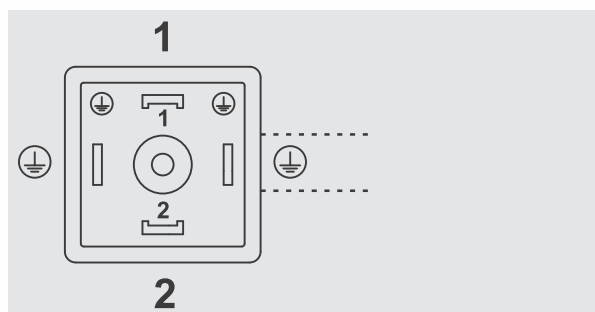
|          |                                                                                                                                        |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|
| Comments | Very good chemical and oil resistance. The material resistance must be checked based on the application for use with aggressive media! |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|

### Dimensions



### Pin layout

Valve connector  
type A



Circuit diagram

