

# Float switch

## Series Standard-Float switch

Description **MAS-723 LYS 0247**

Article number **6826280007**

**Wiring diagram**  
(non-actuated state)

**Performance diagram**

| U [V] | I [A] |
|-------|-------|
| 24    | 1,000 |
| 48    | 1,000 |
| 120   | 0,500 |
| 230   | 0,261 |

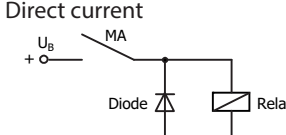
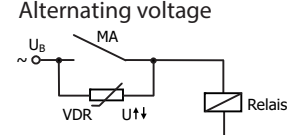
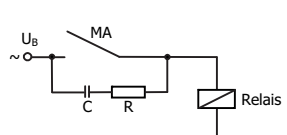
**Characteristic features in accordance with EN 60947-5-1**

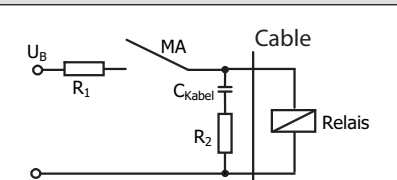
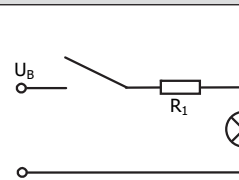
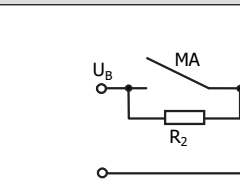
| Electrical data         |   |
|-------------------------|---|
| max. switching voltage  | 250 V   |
| max. switching current  | 1 A   |
| max. switching capacity | 60 VA   |
| min. switching capacity | 3 VA  |
| mechanical life         | 10 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load |
| Switching element       | 1 N.C. , rising level<br>1 N.O. , falling level                   |
| Protection class        | I   |

| Mechanical data         |  |
|-------------------------|--|
| Bolting material        | CuZn39Pb3 (nickel-plated CuNi8 acc. to DIN 50968)                              |
| Plug material           | PA   |
| Switching tube material | CuZn37 (coated within the operating range of the float with PA)                |
| Float material          | NBR  |
| - density               | about 0,44 g/cm <sup>3</sup> ±10 %   |
| - depth of immersion    | 20 mm ± 2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )                     |
| Adjusting ring material | CuZn39Pb3  |
| Gasket material         | Silicone, NBR and Klingersil C 4400  |
| Ambient air temperature | -5 °C to +70 °C  |
| Liquid temperature      | -5 °C to +70 °C  |
| Connection              | Plug connector 3 + PE acc. to DIN EN 175 301-803                               |
| Protection type         | IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs) |
| Max. pressure           | 16 bar   |

| EU Conformity                |
|------------------------------|
| acc. to directive 2006/95/EC |

| General details   |
|---|
| <p>Repeatability of switching points is ±0,05 mm based on the same geometrical conditions as of a switch device.<br/>                     The measures of the switching points refer to a fluid-density of 1 g/cm<sup>3</sup>.<br/>                     The tolerance of the switching points is ±2 mm<br/>                     Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!</p> |

| Inductive loads  |
|--|
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Direct current</p>  <p>Suppression of voltage peaks with a free-wheeling diode</p> </div> <div style="text-align: center;"> <p>Alternating voltage</p>  <p>Suppression of voltage peaks with a VDR</p> </div> <div style="text-align: center;">  <p>Suppression of voltage peaks with an RC element</p> </div> </div> |

| Capacitive loads and lamp loads  |
|--|
|    <p>Contact protection with resistors for limiting current</p> |

Minimax-ID: 879487