

## Float switch

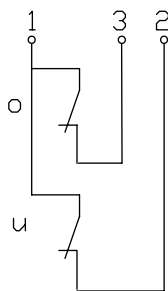
### Series Standard-Float switch

Description **MAM-721 LTOS 0229**

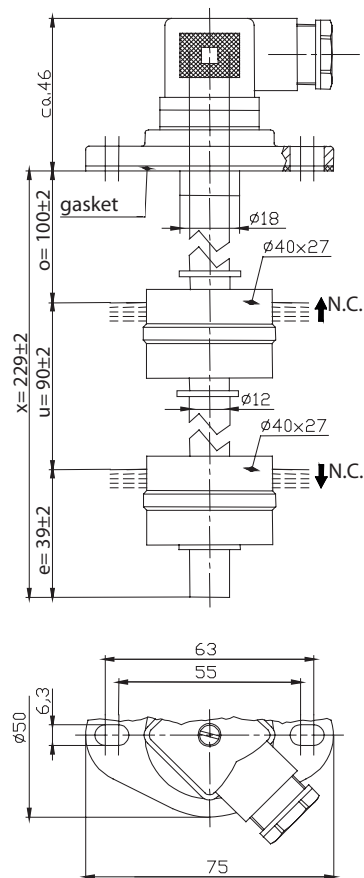
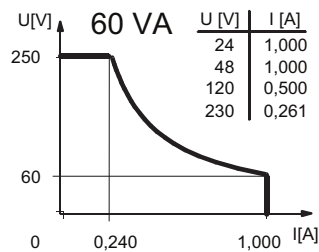
Article number **6826200015**

#### Wiring diagram

(non-actuated state)



#### Performance diagram



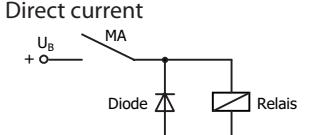
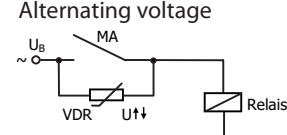
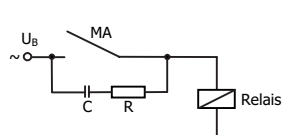
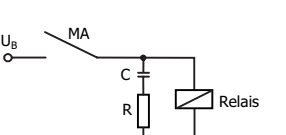
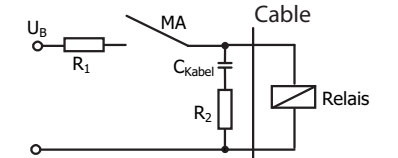
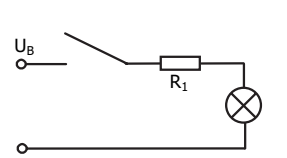
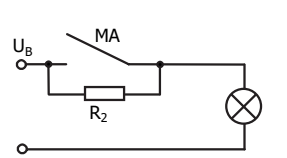
| Electrical data                 |                  |                                                   |  |
|---------------------------------|------------------|---------------------------------------------------|--|
| Rated voltage                   | U <sub>r</sub>   | 250 V                                             |  |
| max. switching current          |                  | 1 A                                               |  |
| max. switching capacity         |                  | 60 VA                                             |  |
| min. switching capacity         |                  | 3 VA                                              |  |
| Rated insulation voltage        | U <sub>i</sub>   | 300 V AC                                          |  |
| Rated impulse withstand voltage | U <sub>imp</sub> | 4 kV AC                                           |  |
| Overvoltage category            |                  | II                                                |  |
| Switching element               |                  | 1 x N.C., rising level<br>1 x N.C., falling level |  |
| Protection class                |                  | II, (totally insulated)                           |  |

| Mechanical data         |                                                                                |
|-------------------------|--------------------------------------------------------------------------------|
| Flange material         | PA6.6                                                                          |
| Switching tube material | CuZn37 (CW508L)                                                                |
| Float material          | POM                                                                            |
| - density               | about 0,7 g/cm <sup>3</sup> ±10 %                                              |
| - depth of immersion    | 18 mm ± 2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )                     |
| Grip screw material     | CuSn8 (CW453K)                                                                 |
| Gasket material         | NBR                                                                            |
| Ambient air temperature | -5 °C to +60 °C                                                                |
| Liquid temperature      | -5 °C to +60 °C                                                                |
| Connection              | Connector 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           | 5 bar                                                                          |

| Standards        |
|------------------|
| DIN EN 60947-5-1 |

| EU Conformity                                        |
|------------------------------------------------------|
| acc. to directive 2014/35/EU (Low-Voltage-Directive) |

| General details                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The measures of the switching points refer to a fluid-density of 1 g/cm<sup>3</sup>.</p> <p>The tolerance of the switching points is ±2 mm</p> <p>Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!</p> |

| Inductive loads                                                                                                                                                                 |                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Direct current</b></p>  <p>Suppression of voltage peaks with a free-wheeling diode</p> | <p><b>Alternating voltage</b></p>  <p>Suppression of voltage peaks with a VDR</p> |
|  <p>Suppression of voltage peaks with an RC element</p>                                     |  <p>Suppression of voltage peaks with an RC element</p>                         |
| Capacitive loads and lamp loads                                                                                                                                                 |                                                                                                                                                                      |
|  <p>Contact protection with resistors for limiting current</p>                               |                                                                                   |
|                                                                                            |                                                                                                                                                                      |