

Float switch

Series Standard-Float switch

Description **MAS-721 LYS 0277**

Article number **6826280008**

Wiring diagram
(non-actuated state)

Performance diagram

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

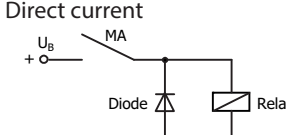
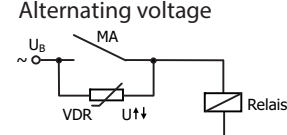
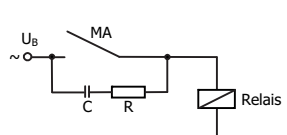
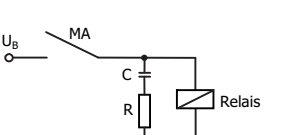
Characteristic features in accordance with EN 60947-5-1

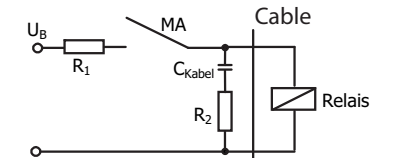
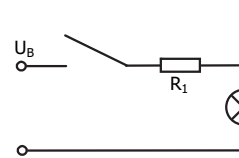
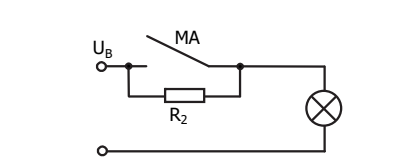
Electrical data	
max. switching voltage	250 V
max. switching current	1 A
max. switching capacity	60 VA
min. switching capacity	3 VA
mechanical life	10 ⁷ to 10 ⁹ switches depending on the load
Switching element	1 N.C., rising level 1 N.C., falling level
Protection class	I

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 ³ ±10 %
- depth of immersion	20 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
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. The measures of the switching points refer to a fluid-density of 1 g/cm³. The tolerance of the switching points is ±2 mm 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 style="text-align: center;">  </div> </div>

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

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