

Float switch

Series Standard-Float switch

Description **MAY-721 XAS 0055**

Article number **6820362003**

Wiring diagram
(non-actuated state)

Performance diagram

U [V]	I [A]
24	0,125
48	0,063
120	0,025
230	∅

Dimensions:
 $x = 55 \pm 2$
 $e = 18 \pm 2$
 $u = 13 \pm 2$
 $o = 24 \pm 2$

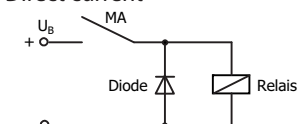
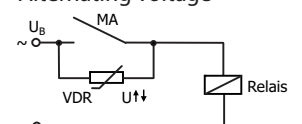
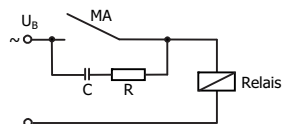
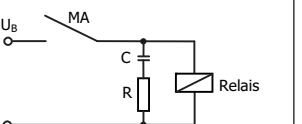
Labels:
 $\varnothing 8$
 $\varnothing 25 \times 20$
 N.C. (Non-Contact)
 SW14
 G1/8"
 SW17

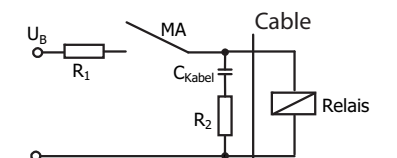
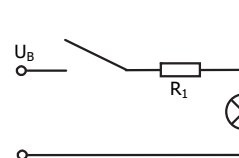
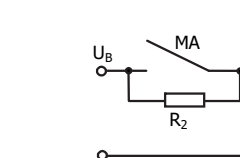
Electrical data		
Rated voltage	U_r	36 V
max. switching current		0,25 A
max. switching capacity		3 VA
Rated insulation voltage	U_i	50 V AC
Rated impulse withstand voltage	U_{imp}	500 V AC
Overvoltage category		II
mechanical life		10^7 to 10^9 switches
Switching element		1 N.C., rising level 1 N.C., falling level

Mechanical data	
Hexagonal nut material	PP
Housing material	PVC
Bolting material	PVC
Switching tube material	PVC
Float material	PP
- density	about 0,55 g/cm ³ ± 10 %
- depth of immersion	12 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	PVC
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 4 x 0,25 mm ² x 1,5 m ± 5 %; PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

Standards
DIN EN 60947-5-1

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-between;"> <div style="width: 24%;"> <p>Direct current</p>  <p>Suppression of voltage peaks with a free-wheeling diode</p> </div> <div style="width: 24%;"> <p>Alternating voltage</p>  <p>Suppression of voltage peaks with a VDR</p> </div> <div style="width: 24%;">  <p>Suppression of voltage peaks with an RC element</p> </div> <div style="width: 24%;">  </div> </div>

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