

Float switch

Series Standard-Float switch

Description **MAR-724 LYS 0247**

Article number **6826150003**

Wiring diagram
(non-actuated state)

Performance diagram

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

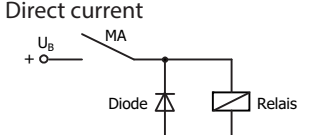
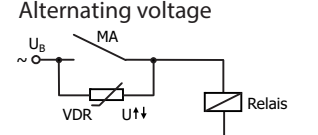
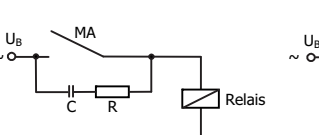
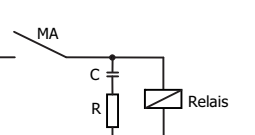
Electrical data	
Rated voltage	U_r 250 V
max. switching current	1,0 A
max. switching capacity	60 VA
min. switching capacity	3 VA
Rated insulation voltage	U_i 300 V AC
Rated impulse withstand voltage	U_{imp} 2,5 kV AC
Overvoltage category	II
mechanical life	10^7 to 10^9 switches
Switching element	1 N.O., rising level 1 N.C., falling level
Protection class	I

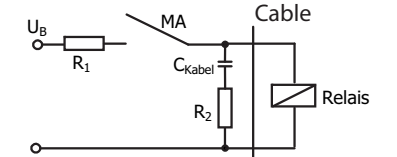
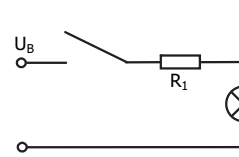
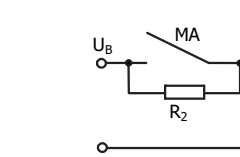
Mechanical data	
Bolting material	X6CrNiMoTi17-12-2 (1.4571)
Connector material	PA
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	NBR
- density	about 0,44 g/cm ³ ±10 %
- depth of immersion	20 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring screw material	X6CrNiMoTi17-12-2 (1.4571)
Gasket material	NBR and silicone
Ambient air temperature	-5 °C to +70 °C
Liquid temperature	-5 °C to +70 °C
Connection	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

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU

General details
The measures of the switching points refer to a fluid-density of 1 g/cm ³ . 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!

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>