

Float switch

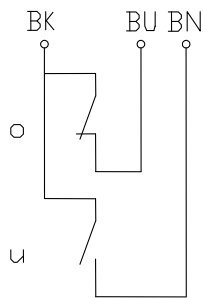
Series Standard-Float switch

Description **MAB-723 KVS 0118**

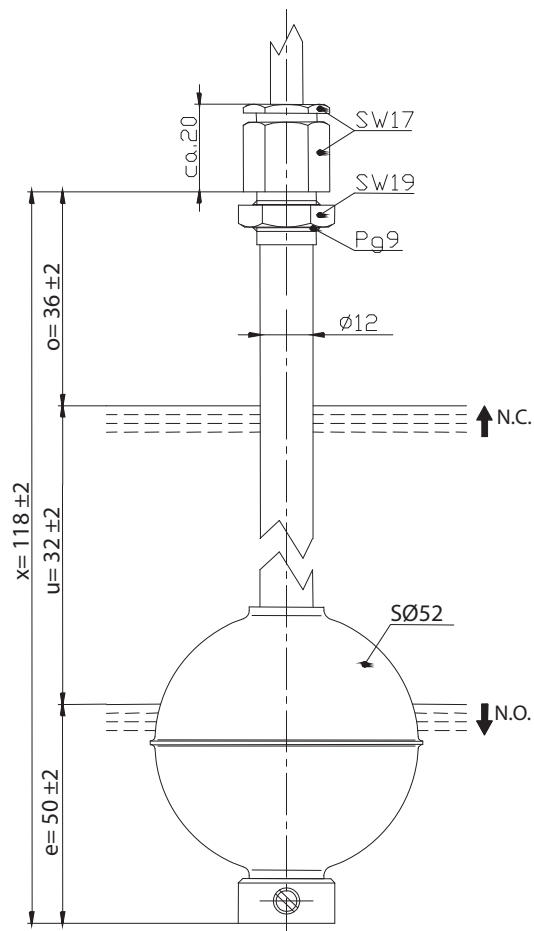
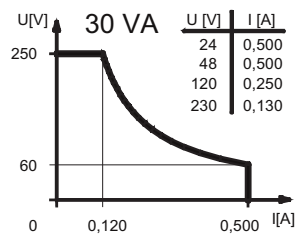
Article number **6825141007**

Wiring diagram

(non-actuated state)



Performance diagram



Electrical data

max. switching voltage	250 V
max. switching current	0,5 A
max. switching capacity	30 VA
Rated insulation voltage	U_i 300 V AC
Rated impulse withstand voltage	U_{imp} 4 kV AC
Overvoltage category	II
mechanical life	10^7 to 10^9 switches depending on the load
Switching element	1 x N.C., rising level 1 x N.O., falling level
Protection class	II (totally insulated)

Mechanical data	
Bush material	X6CrNiMoTi17-12-2 (1.4571)
Bolting material	X2CrNiMo17-12-2 (1.4404)
Hexagonal nut material	X6CrNiMoTi17-12-2 (1.4571)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	X6CrNiMoTi17-12-2 (1.4571)
- density	about 0,52 g/cm ³ ±10 %
- depth of immersion	33 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Gasket material	NBR
Ambient air temperature	-5 °C to +125 °C
Liquid temperature	-5 °C to +125 °C
Connection	Cable 3 x 0,75 mm ² x 1,2 m ± 5 %; silicone
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	10 bar

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU

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>

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