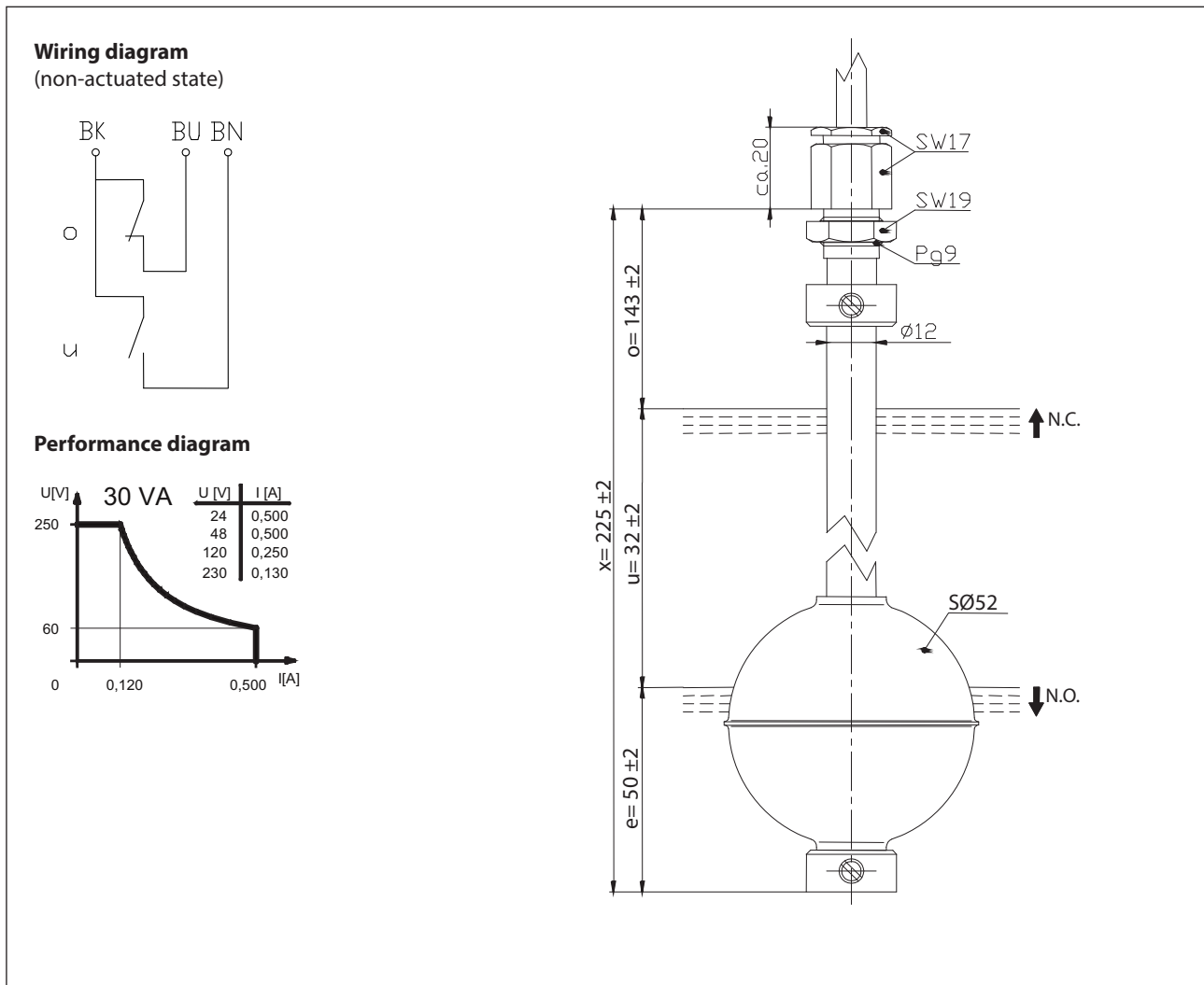


# Float switch

## Series Standard-Float switch

Description **MAB-723 KVS 0225**

Article number **6825141021**



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 <sup>3</sup> ±10 %
- depth of immersion	33 mm ± 2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Gasket material	NBR
Ambient air temperature	-5 °C to +100 °C
Liquid temperature	-5 °C to +125 °C
Connection	Cable 3 x 0,75 mm <sup>2</sup> 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/cm<sup>3</sup>.                      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>