

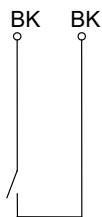
# Float switch

## Series Standard-Float switch

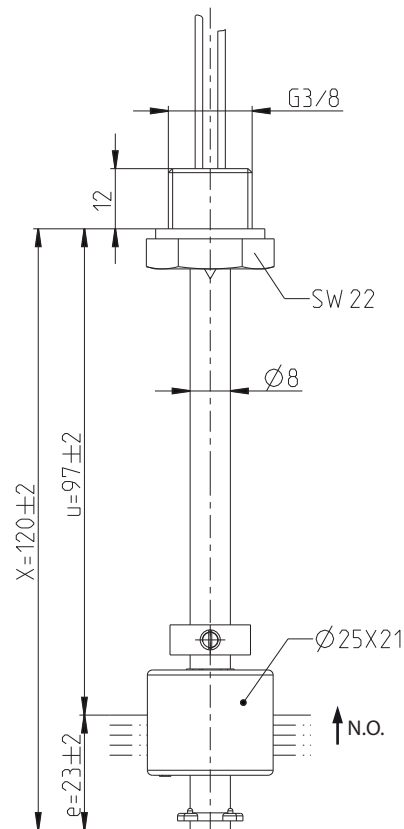
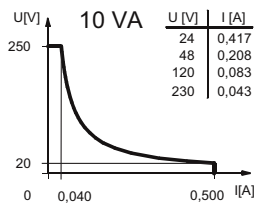
Description **MAY-711 BAS 0120**

Article number **6811362014**

### Wiring diagram (non-actuated state)



### Performance diagram



Electrical data	
Rated voltage	$U_r$ 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
Switching element	1 x N.O., rising level If the float be turned by 180 °, it will be change the switching function in N.O. falling level
Protection class	II (totally insulated)

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

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>