

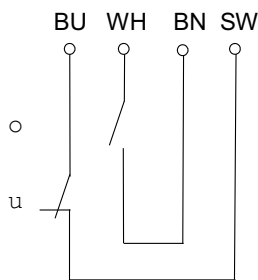
# Float switch

## Series Miniature-Float switch

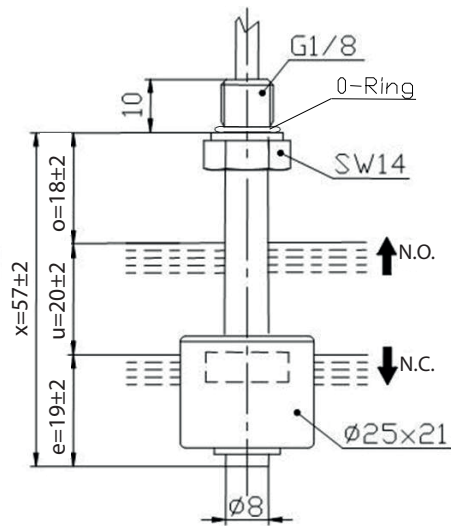
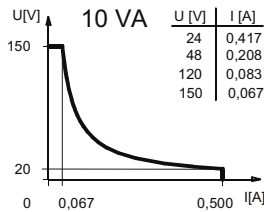
Description **MSK1-MS-R1/8-OS 0057**

Article number **6891211004**

### Wiring diagram (non-actuated state)



### Performance diagram



Electrical data			
Rated voltage	$U_r$	150 V	
max. switching current		0,5 A	
max. switching capacity		10 VA	
Rated insulation voltage	$U_i$	150 V AC	
Rated impulse withstand voltage	$U_{imp}$	2,4 V AC	
Overvoltage category		II	
Switching element		1 N.O., rising level 1 N.C., falling level	
Protection class		II (totally insulated)	

Mechanical data	
Bolting material	CuZn39Pb3 (CW614N)
Switching tube material	CuZn37 (CW508L)
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> )
Gasket material	NBR
Grip screw material	CuSn8 (CW453K)
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 4 x 0,34 mm <sup>2</sup> x 0,5 m, PVC-Outer jacket
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 (Low-Voltage-Directive)

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>