

Float switch

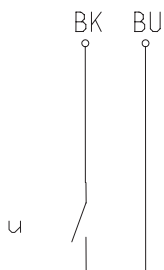
Series Miniature-Float switch

Description **MSK1-MS-R1/8-S 0040**

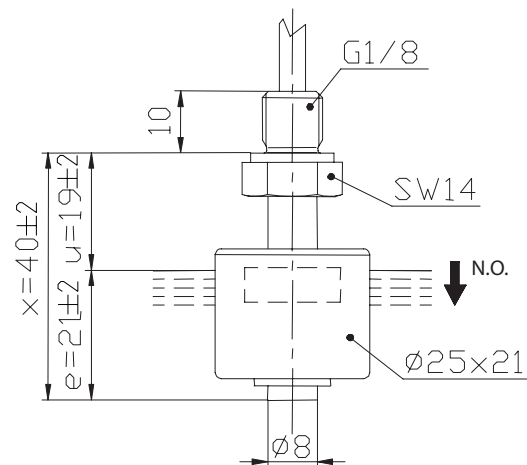
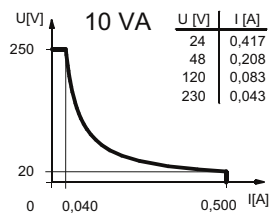
Article number **6891211003**

Wiring diagram

(non-actuated state)



Performance diagram



Electrical data

Rated voltage	U_r	250 V
max. switching current		0,5 A
max. switching capacity		10 VA
Rated insulation voltage	U_i	300 V AC
Rated impulse withstand voltage	U_{imp}	4 kV AC
Overvoltage category		II
Switching element		1 N.O., falling level

Mechanical data	
Bolting material	CuZn39Pb3 (2.0401)
Switching tube material	CuZn37 (2.0321)
Float material	PP
- density	about 0,55 g/cm ³ ±10 %
- depth of immersion	12 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Grip screw material	CuSn8 (2.1030)
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 2 x 0,5 mm ² x 1 m ± 5 %, PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

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
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Contact protection with resistors for limiting current</p> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div>