

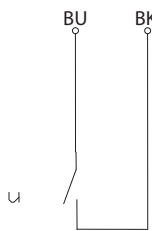
Float switch

Series Miniature-Float switch

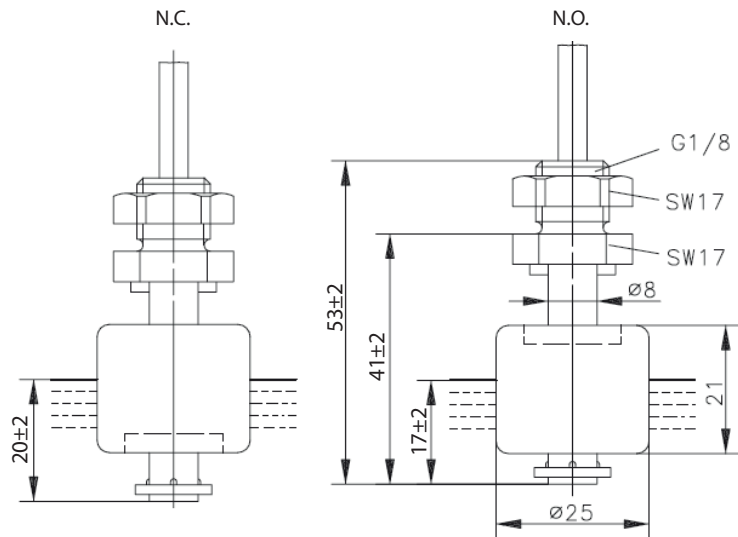
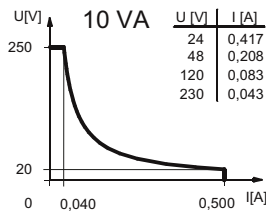
Description **MSK1-PP-R1/8-O 0040**

Article number **6891411013**

Wiring diagram (non-actuated state)



Performance diagram



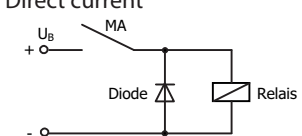
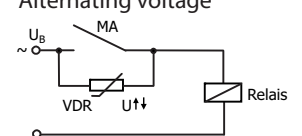
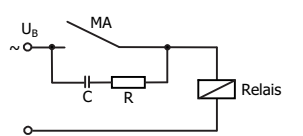
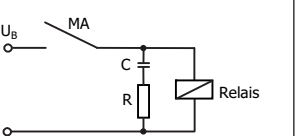
Electrical data			
Rated voltage	U_r	250 V	
max. switching current		0,5 A	
max. switching capacity		10 VA	
Rated insulation voltage	U_i	300 V AC	
Rated impulse withstand voltage	U_{imp}	4 kV AC	
Overvoltage category		II	
Switching element		1 N.O., falling level If the float be turned by 180 °, it will be change the switching function from N.O. in N.C.	
Protection class		II (totally insulated)	

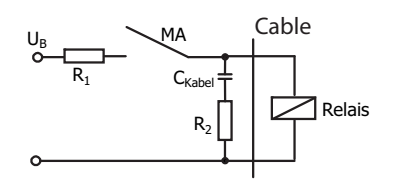
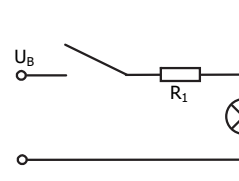
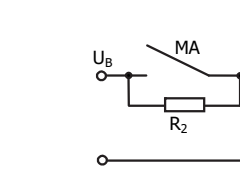
Mechanical data	
Box material	PP
Hexagon nut material	PP
Float material	PP
- density	about 0,54 g/cm ³ ±10 %
- depth of immersion	15 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Grip screw material	PP
Ambient air temperature	-5 °C to +100 °C
Liquid temperature	-5 °C to +100 °C
Connection	Cable 2 x 0,5 mm ² x 1 m ± 5 %, silicone
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 ³ . 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-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>