

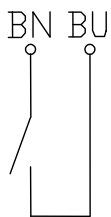
Float switch

Series Miniature-Float switch

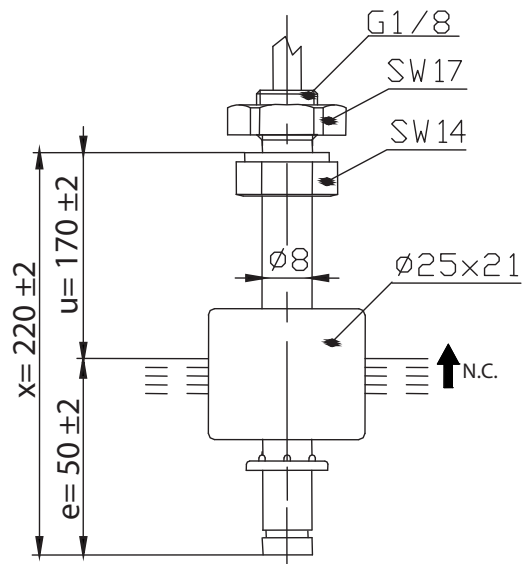
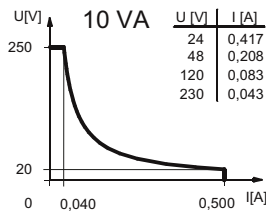
Description **MSK1-PVC-R1/8-O 0220**

Article number **6891311005**

Wiring diagram (non-actuated state)



Performance diagram



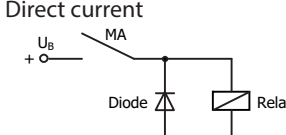
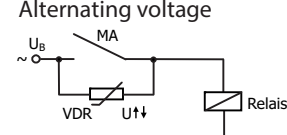
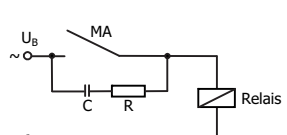
Electrical data			
Rated voltage	U_r	250 V	
max. switching current		0,5 A	
max. switching capacity		10 VA	
Rated insulation voltage	U_i	300 V AC	
Rated impulse withstand voltage	U_{imp}	4 kV AC	
Overvoltage category		II	
mechanical life		10 ⁷ to 10 ⁹ switches	
Switching element		1 N.C., rising level	
Protection class		II (totally insulated)	

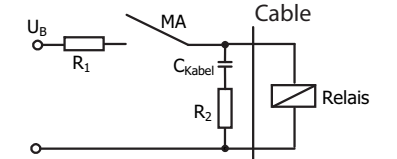
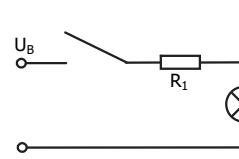
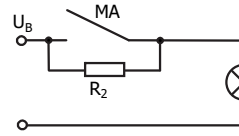
Mechanical data	
Bolting material	PVC
Hexagon nut material	PP
Switching tube material	PVC
Float material	PP
- density	about 0,55 g/cm ³ ±10 %
- depth of immersion	12 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Grip screw material	PVC
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 2 x 0,34 mm ² x 1 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 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-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>