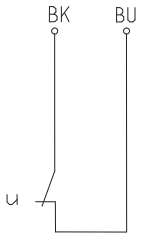
Float switch

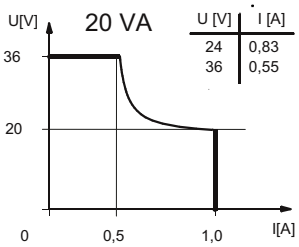
Series Miniature-Float switch

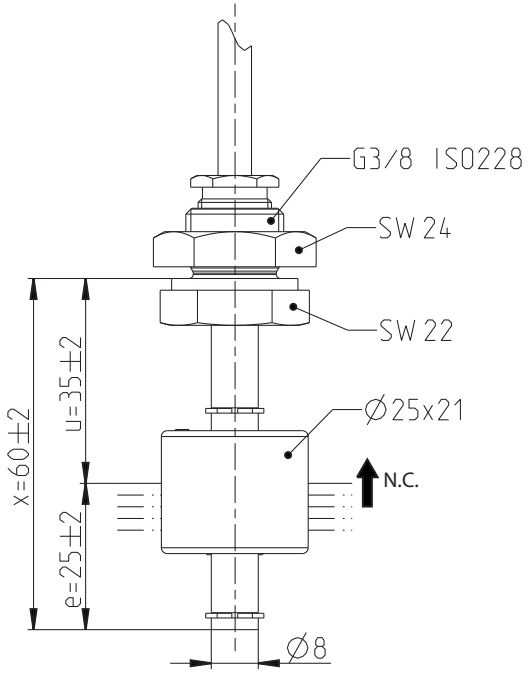
Description **MSK1-NI-R3/8-O 0060** Article number **6895113002**

Wiring diagram
(non-actuated state)



Performance diagram





Electrical data		
Rated voltage	U_r	36 V
max. switching current		1,0 A
max. switching capacity		20 VA
Rated insulation voltage	U_i	50 V AC
Rated impulse withstand voltage	U_{imp}	500 V AC
Overvoltage category		II
mechanical life		10^7 to 10^9 switches
Switching element		1 N.C., rising level

Mechanical data	
Bolting material Pg7	X8CrNiS18-9 (1.4305)
Bolting material G3/8	X6CrNiMoTi17-12-2 (1.4571)
Hexagon nut material	X8CrNiS18-9 (1.4305)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material - density - depth of immersion	PP about 0,54 g/cm³ ±10 % 12 mm ± 2 mm (to a fluid-density of 1 g/cm³)
Grip screw material	X39CrMo17-1 (1.4122)
Gasket material	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 2 x 0,5 mm² x 5 m ± 5 %, silicone
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

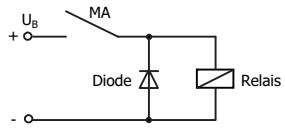
Standards
DIN EN 60947-5-1

General details

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!

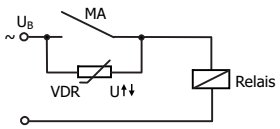
Inductive loads

Direct current

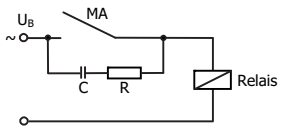


Suppression of voltage peaks with a free-wheeling diode

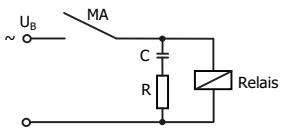
Alternating voltage



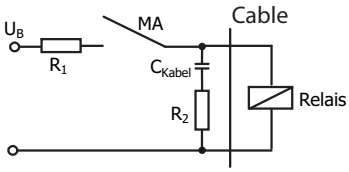
Suppression of voltage peaks with a VDR

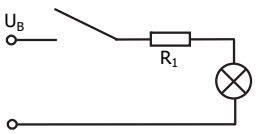


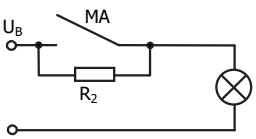
Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads







Contact protection with resistors for limiting current