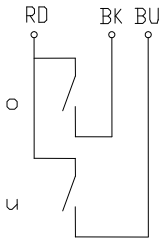
Float switch

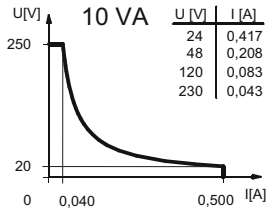
Series Miniature-Float switch

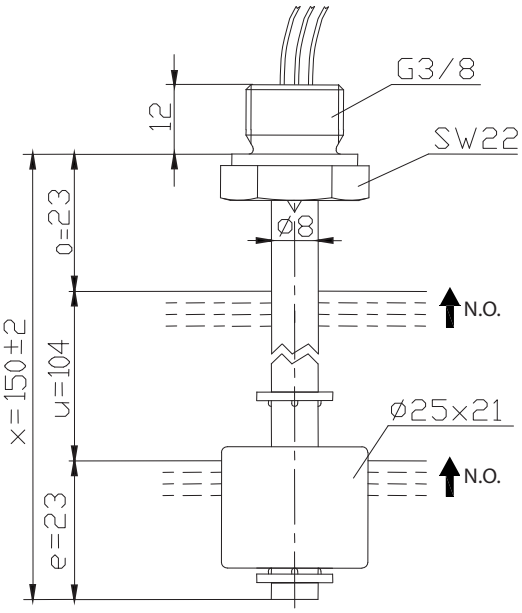
Description **MSK1-PVC-R3/8-2S 0150**	Article number **6891313034**

Wiring diagram
(non-actuated state)



Performance diagram





Characteristic features in accordance with EN 60947-5-1

Electrical data	
max. switching voltage	250 V
max. switching current	0,5 A
max. switching capacity	10 VA
mechanical life	10^7 to 10^9 switches depending on the load
Switching element	2 N.O., rising level
Protection class	II (totally insulated)

Mechanical data	
Terminal box material	PVC
Switching tube material	PVC
Float material - density - depth of immersion	PP about 0,55 g/cm³ ±10 % 12 mm ± 2 mm (to a fluid-density of 1 g/cm³)
Grip screw material	PP
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Litze AWG24, 3 x 260 mm executed, PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

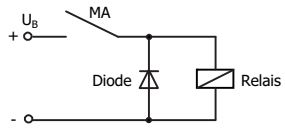
EU Conformity	
	acc. to directive 2006/95/EC

General details

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!

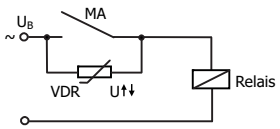
Inductive loads

Direct current

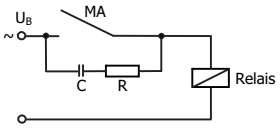


Suppression of voltage peaks with a free-wheeling diode

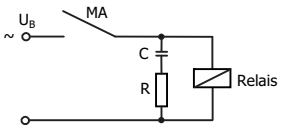
Alternating voltage



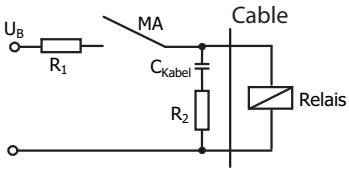
Suppression of voltage peaks with a VDR

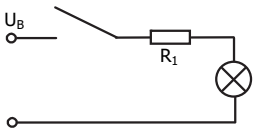


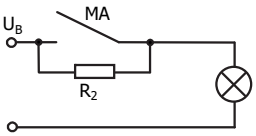
Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads







Contact protection with resistors for limiting current