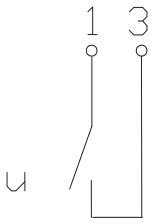
Float switch

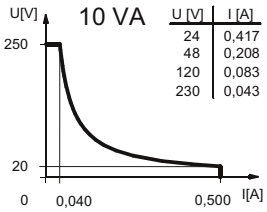
Series Miniature-Float switch

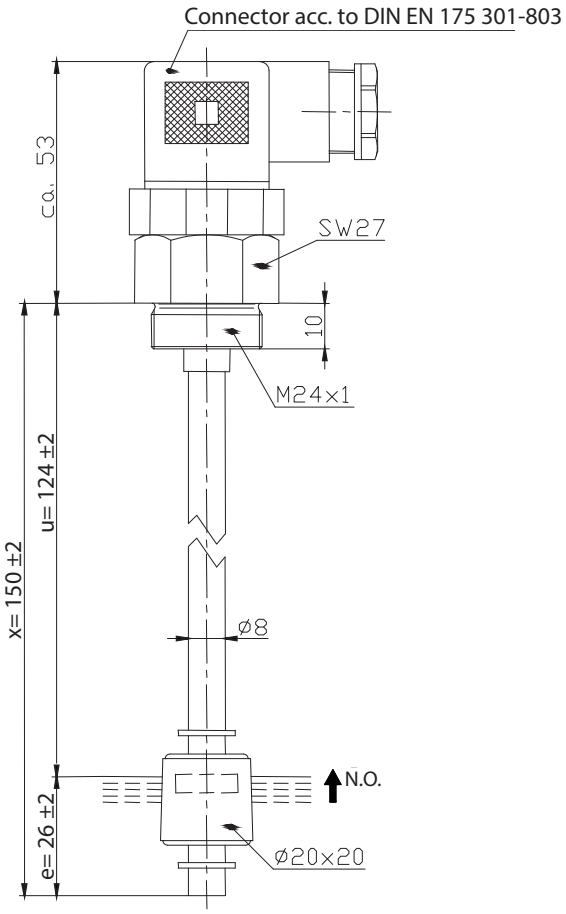
Description **MSK3-MS-M24-S 0150**	Article number **6891230003**

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	1 N.O., rising level
Protection class	II (totally insulated)

Mechanical data	
Bolting material	CuZn39Pb3 (CW614N)
Switching tube material	CuZn37 (CW508L)
Float material - density - depth of immersion	NBR about 0,8 g/cm³ ±10 % 15 mm ± 2 mm (to a fluid-density of 1 g/cm³)
Grip screw material	CuSn8 (CW453K)
Gasket material	Silicone
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Connector acc. to DIN EN 175 301-803
Protection type	IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs)
Max. pressure	10 bar

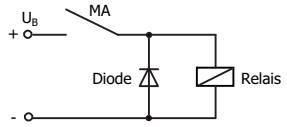
EU Conformity	
	acc. to directive 2006/95/EC

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!

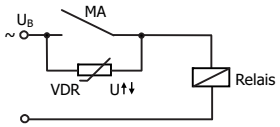
Inductive loads

Direct current

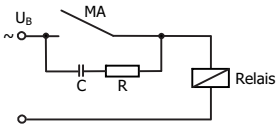


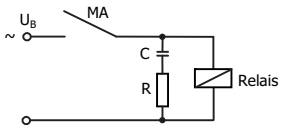
Suppression of voltage peaks with a free-wheeling diode

Alternating voltage



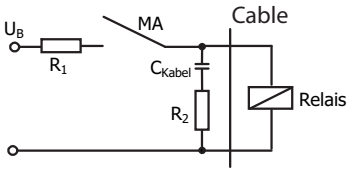
Suppression of voltage peaks with a VDR

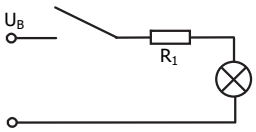


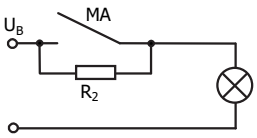


Suppression of voltage peaks with an RC element

Capacitive loads and lamp loads







Contact protection with resistors for limiting current