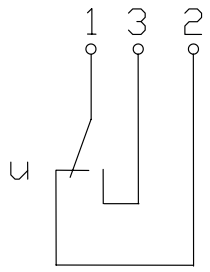
Float switch

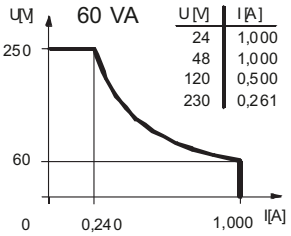
Series Standard-Float switch

Description **MAN-713 KRS 0225** Article number **6817100002**

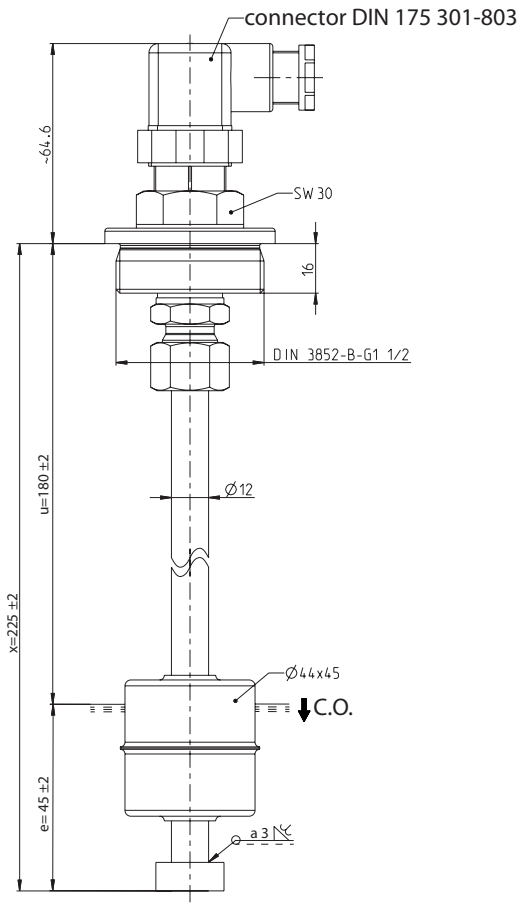
Wiring diagram
(non-actuated state)



Performance diagram



U[V]	I[A]
24	1,000
48	1,000
120	0,500
230	0,261



Electrical data		
Rated voltage	U_r	250 V
max. switching current		1,0 A
max. switching capacity		60 VA
min. switching capacity		3 VA
Rated insulation voltage	U_i	300 V AC
Rated impulse withstand voltage	U_{imp}	4 kV AC
Overvoltage category		II
Switching element		1 C.O., falling level
Protection class		II (totally insulated)

Mechanical data	
Tank screw connection material	S235JR (coating DIN 50961-Fe/Zn 6B)
Cutting screw connection material	X6CrNiMoTi17-12-2 (1.4571)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material - density - depth of immersion	X6CrNiMoTi17-12-2 (1.4571) about 0,7 g/cm³ ±10 % 32 mm ± 2 mm (to a fluid-density of 1 g/cm³)
End stop material	X6CrNiMoTi17-12-2 (1.4571)
Gasket material	Silicone
Ambient air temperature	-5 °C to +110 °C
Liquid temperature	-20 °C to +125 °C
Connection	Connector similar 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

Standards	
	DIN EN 60947-5-1

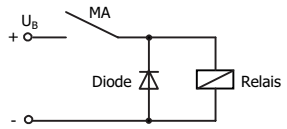
EU Conformity	
	acc. to directive 2014/35/EU (Low-Voltage-Directive)

General details

The measures of the switching points refer to a fluid-density of 1 g/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!

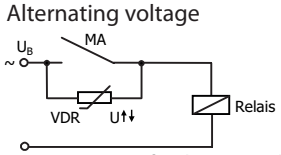
Inductive loads

Direct current

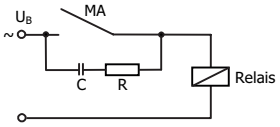


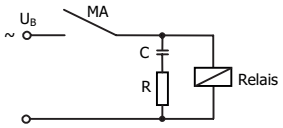
Suppression of voltage peaks with a free-wheeling diode

Alternating voltage



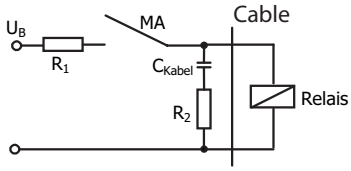
Suppression of voltage peaks with a VDR

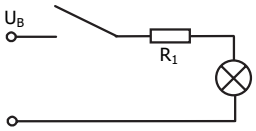


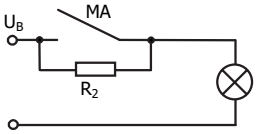


Suppression of voltage peaks with an RC element

Capacitive loads and lamp loads







Contact protection with resistors for limiting current