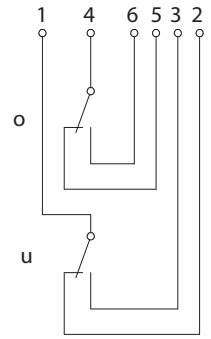
Float switch

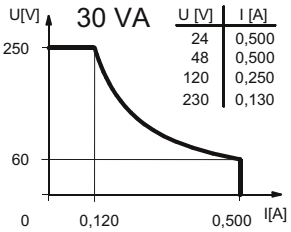
Series Standard-Float switch

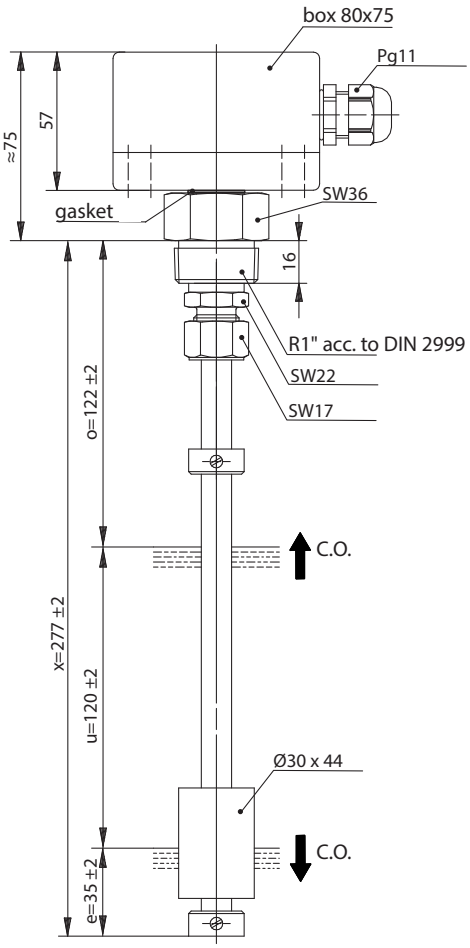
Description **MAR-723 KR1S 0277**	Article number **6825100039**

Wiring diagram
(non-actuated state)



Performance diagram





Characteristic features in accordance with EN 60947-5-1

Electrical data	
max. switching voltage	125 V
max. switching current	0,5 A
max. switching capacity	30 VA
mechanical life	10^7 to 10^9 switches depending on the load
Switching element	1 x C.O., rising level 1 x C.O., falling level
Protection class	II (totally insulated)

Mechanical data	
Terminal box material	ABS
Bolting material	X6CrNiMoTi17-12-2 (1.4571)
Cable gland material	PA6
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material - density - depth of immersion	NBR about 0,45 g/cm³ ±10 % 20 mm ± 2 mm (to a fluid-density of 1 g/cm³)
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Gasket material	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Connecting block inside the terminal box
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

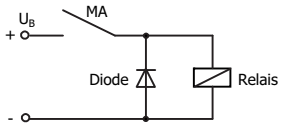
EU Conformity	
	acc. to directive 2006/95/EC

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!

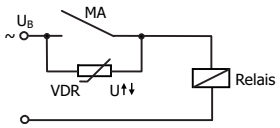
Inductive loads

Direct current

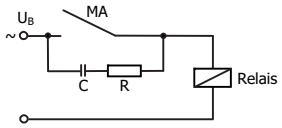


Suppression of voltage peaks with a free-wheeling diode

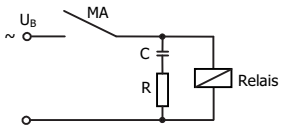
Alternating voltage



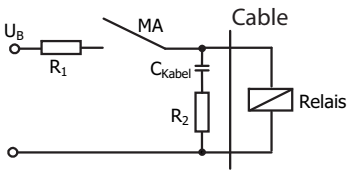
Suppression of voltage peaks with a VDR

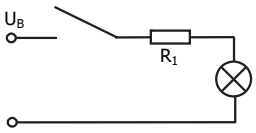


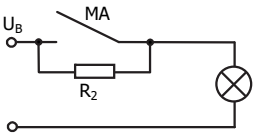
Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads







Contact protection with resistors for limiting current