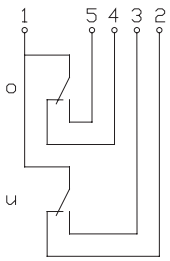
Float switch

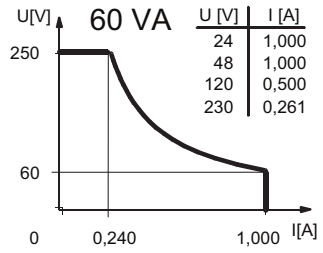
Series Standard-Float switch

Description **MAM-723 LSS 0214**	Article number **6826205003**

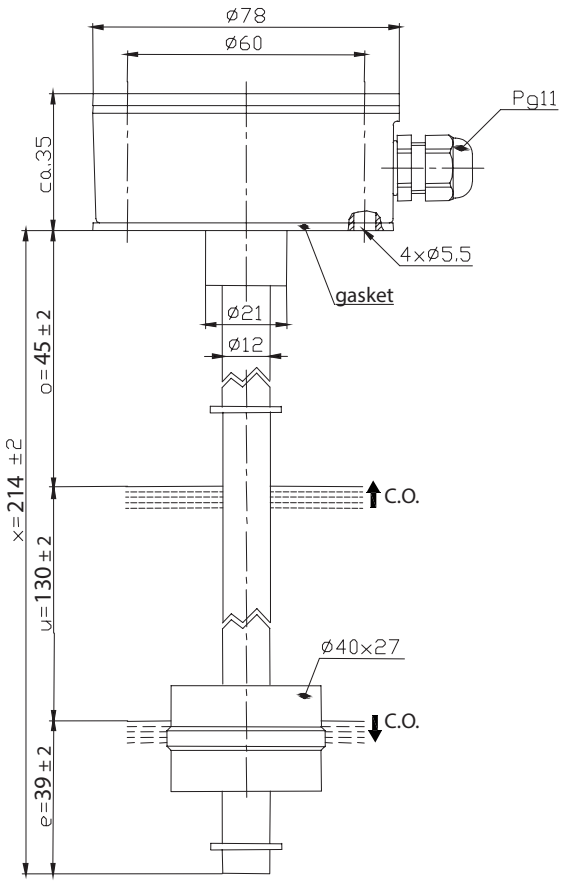
Wiring diagram
(non-actuated state)



Performance diagram



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



Characteristic features in accordance with EN 60947-5-1

Electrical data	
max. switching voltage	250 V
max. switching current	1,0 A
max. switching capacity	60 VA
min. switching capacity	3 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	I

Mechanical data	
Terminal box material	Aluminium, coated, RAL 3016
Switching tube material	CuZn37 (CW508L)
Float material - density - depth of immersion	POM about 0,7 g/cm³ ±10 % 18 mm ± 2 mm (to a fluid-density of 1 g/cm³)
Grip screw material	CuSn8 (CW453K)
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	10 bar

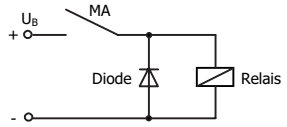
EU Conformity	
	acc. to directive 2006/95/EC

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!

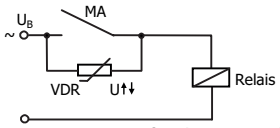
Inductive loads

Direct current

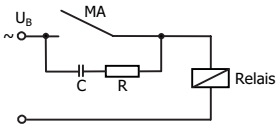


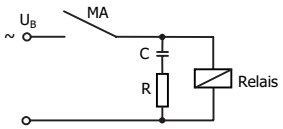
Suppression of voltage peaks with a free-wheeling diode

Alternating voltage



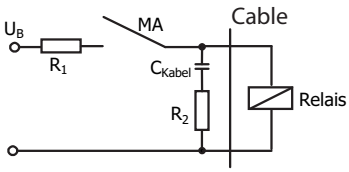
Suppression of voltage peaks with a VDR

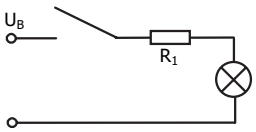


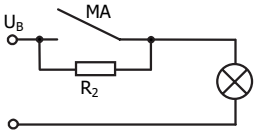


Suppression of voltage peaks with an RC element

Capacitive loads and lamp loads







Contact protection with resistors for limiting current