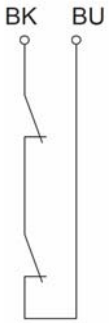
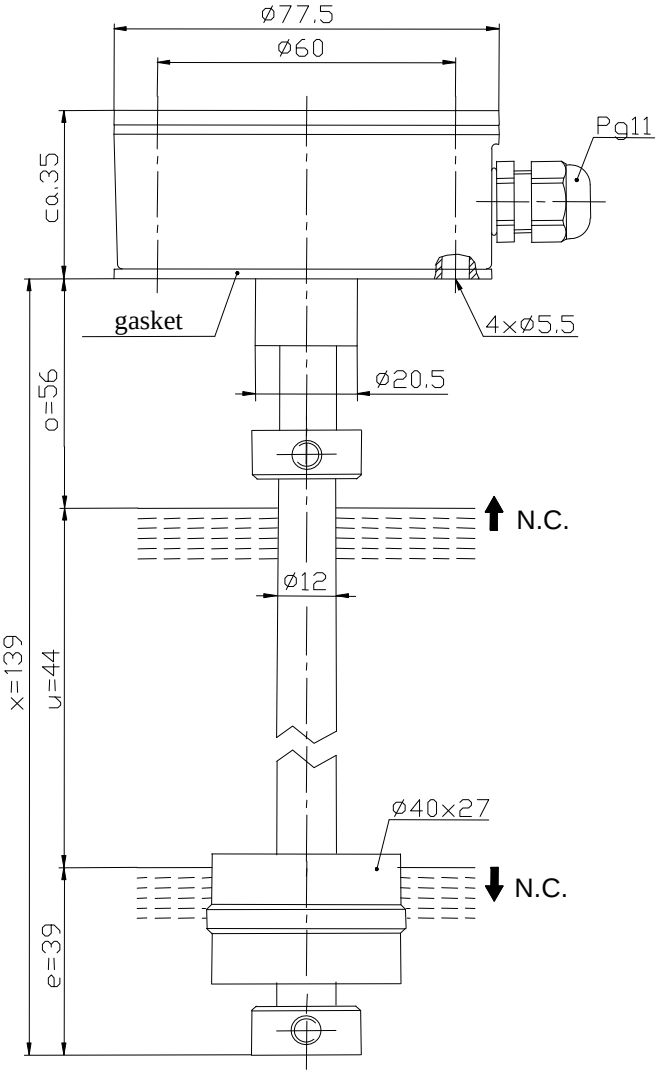
Technical Data
Float Switch

Standard float switches

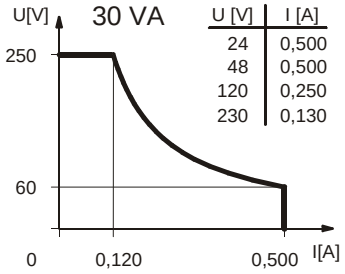
Description **MAA-723 KSS 0139** Article number **6825105002**

Wiring diagram
(non activated condition)





Performance diagram



U [V]	I [A]
24	0,500
48	0,500
120	0,250
230	0,130

Characteristic features in accordance with DIN EN 60947-5-1

Electrical data	
max. switching voltage	250 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	o= 1 N.C. rising level
	u= 1 N.C. falling level
Protection class	I

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Mechanical data

Terminal box material	GK-AlSi12 (3.2581.02)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	POM
-density	about 0,7 g/cm³ ±10%
-depth of immersion	18 mm ±2 mm (to a fluid-density of 1 g/cm³)
Gasket material	NBR
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Ambient air temperature	-5°C to +60°C
Liquid temperature	-5°C to +60°C
Connection	connection block inside the terminal box
Protection type	IP 65 acc to IEC 529 / EN 60529
Max. pressure	10 bar

EC Conformity

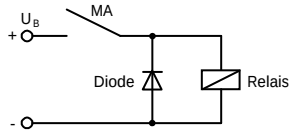
acc. to directive 2006 / 95 / EC

General details

Repeatabaility of switching points is ±0,05mm 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/cm^3.
The tolerance of the switching points is ±2mm
Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!

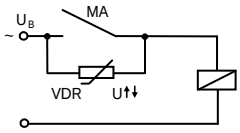
Inductive loads

direct current voltage

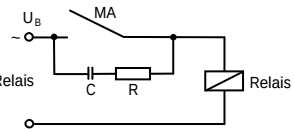


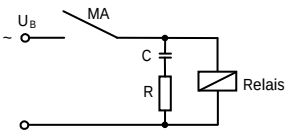
Suppression of voltage peakks with a free-wheeling diode

alternating voltage



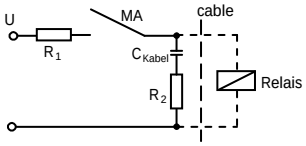
Suppression of voltage peaks with a VDR



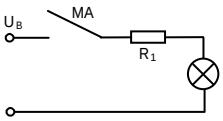


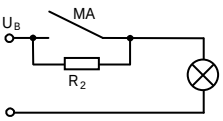
Supression of voltage peaks with an RC element

Capacitive loads and lamp loads



Contact protection with resistors for limiting current





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