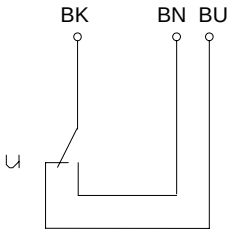
Technical Data
Float Switch

Standard float switches

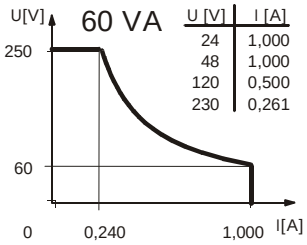
Description **MAA-713 LBS 0259**

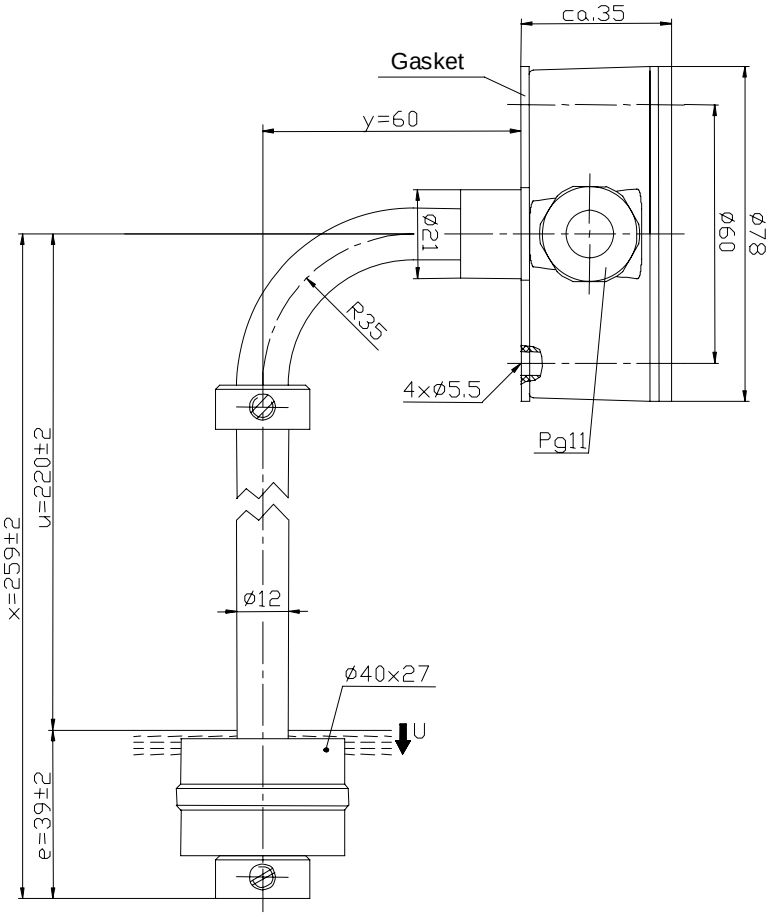
Article number **6816115017**

Wiring diagram
(none activated condition)



Performance diagram





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 change over contact, falling level
Protection class	I

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)
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Gasket material	NBR
Ambient air temperature	-5°C bis +60°C
Liquid temperature	-5°C bis +60°C
Connection	connection 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

Bernstein AG, Tieloser Weg 6, D-32457 Porta Westfalica / www.bernstein.eu

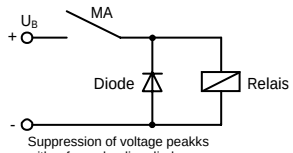
Technical Data
Float Switch

General details

Repeatability 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
Maximum data must not be exceeded!
Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!

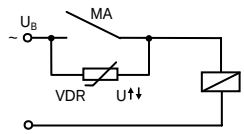
Inductive loads

direct current voltage

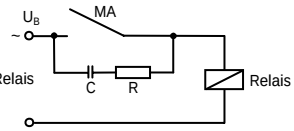


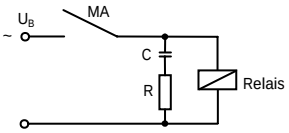
Suppression of voltage peakks with a free-wheeling diode

alternating voltage



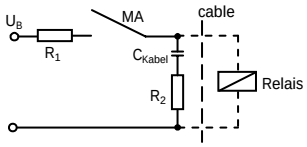
Suppression of voltage peaks with a VDR





Supression of voltage peaks with an RC element

Capacitive loads and lamp loads



Contact protection with resistors for limiting current