Technical Data
Float Switch

BERNSTEIN

Standard float switches

Description	**MAA-733 LVS 0799**	Article number	**6836101064**

Wiring diagram

Performance diagram

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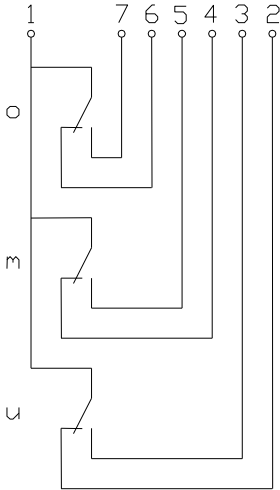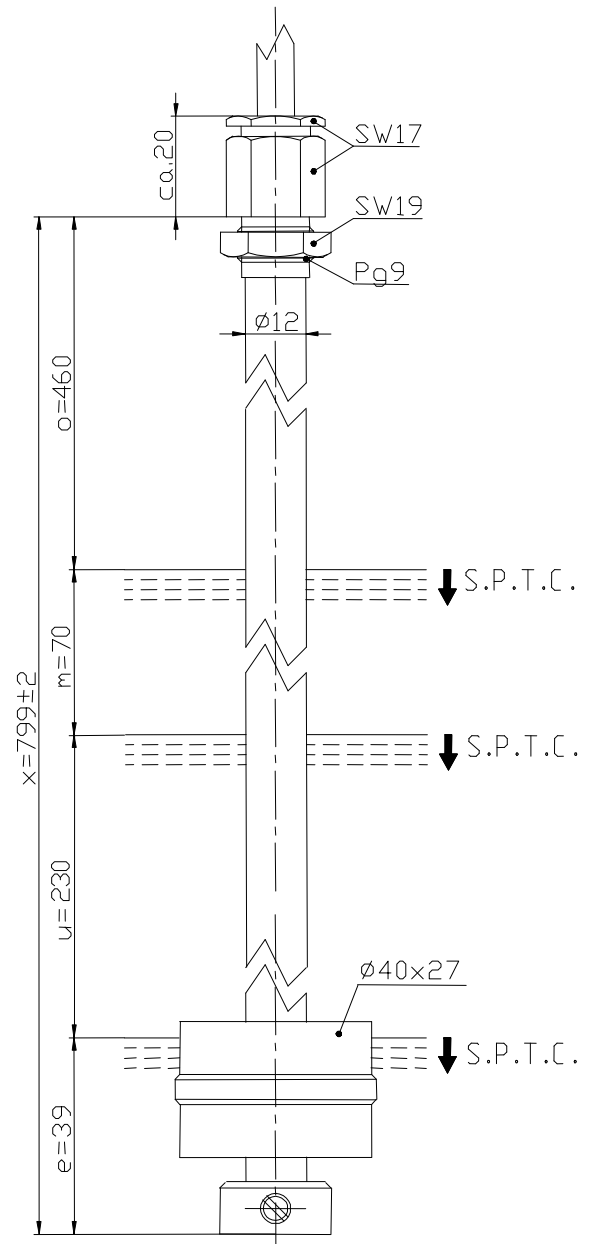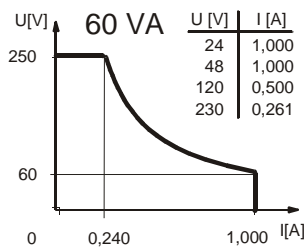
60 VA

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	3 x change-over contact, falling level
Protection class	II (protective insulation)

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Vorlage : 0850174275 Orig. 2

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Mechanical data

Screw connection material	X6CrNiMoTi17-12-2 (1.4571)
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 to +60°C
Liquid temperature	-5°C to +60°C
Connection	Cable 7x0,50 mm² x 1 m ± 5 %, PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	10 bar

EC Conformity

acc. to Directive 2006/95/EC

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

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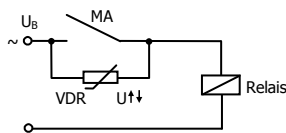
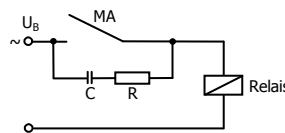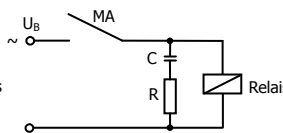### Inductive loads

Direct current

Alternating voltage
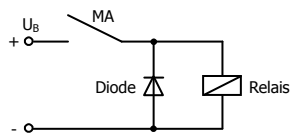
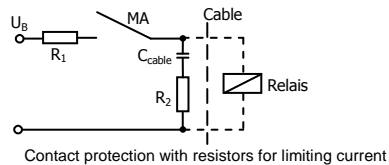Suppression of voltage peaks with a free-wheeling diode
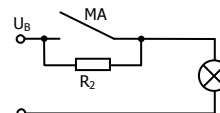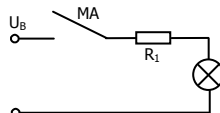
Suppression of voltage peaks with a VDR

Suppression of voltage peaks with an RC element

Capacitive loads and lamp loads

Contact protection with resistors for limiting current

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