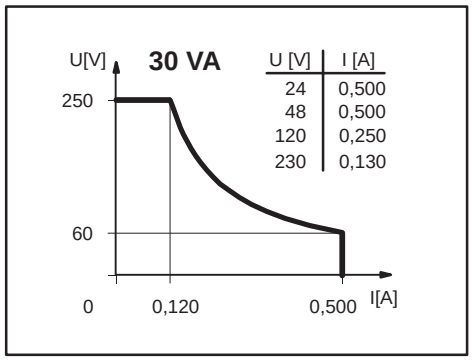
Technical Data
Magnetic Float Switch

Bernstein

Typ : **MAA–713 KVS**

Art.-No.: **681.5101.051** Orig. 4

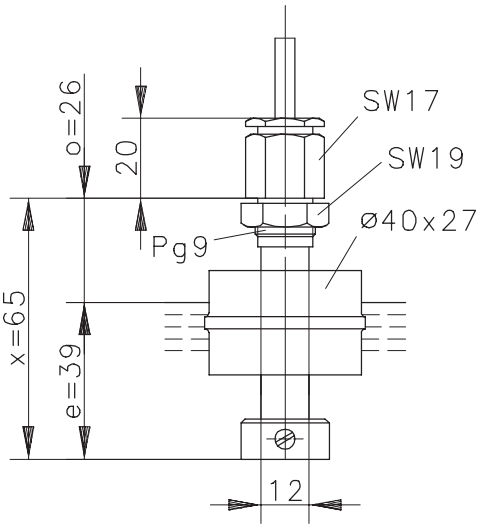
Performance diagram
(maximum data)



Electrical Data (maximum data) **:**

contact		
– max. voltage	:	250 V
– max. switching current	:	0.5 A
– max. switching capacity	:	30 VA
switching function	:	change–over contact, falling level
direction category	:	AC–21A and DC–21A acc. to DIN VDE 0660 T107 (IEC 947–3–1 / EN 60947–3–1)
standard	:	acc. to DIN VDE 0660 T200 (IEC 947–5–1 / EN 60947–5–1)

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



Technical Data :

mode of connection	:	1 m cable, PVC, 4x 0,5 mm^2
protection type	:	IP 65 acc. to DIN VDE 0470 T1 (IEC 529 / EN 60529)
temperature range	:	form -5°C to +60°C
fluid temperature	:	form -5°C to +60°C
max. pressure	:	5 bar
mech. lifetime	:	10^7 to 10^9 switches depending on the load

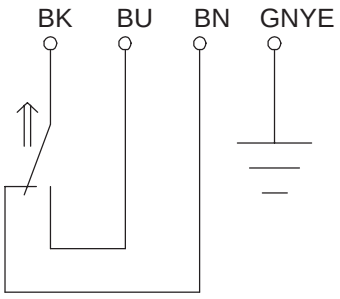
Reproducibility is ±0.05mm under same geometrical conditions according to one switch device.

ATTENTION :
The measures of the switching points are related to a fluid–tight of 1 g/cm^3
The tolerance of the switching points are ±2 mm

Mechanical Data :

housing material	:	X 6 CrNiMoTi 17 12 2 (1.4571)
hexagon nut material	:	X 6 CrNiMoTi 17 12 2 (1.4571)
switching tube material	:	X 6 CrNiMoTi 17 12 2 (1.4571)
float material	:	POM
– tightness	:	about 0.7 g/cm^3 ±10%
– depth of immersion	:	18 mm ±2 mm (to a fluid–tight of 1 g/cm^3)
guard ring material	:	X 6 CrNiMoTi 17 12 2 (1.4571)

Wiring diagram
(matching to the drawing)



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