Technical Data
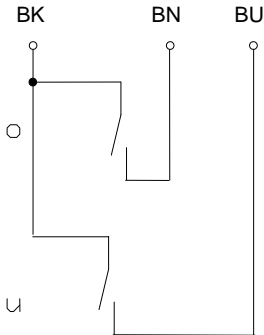## Float Switch

BERNSTEIN

Standard float switches

Description   **MAR-722 KR1,0S 0278**   Article number   **6825147004**

Wiring diagram

BK   BN   BU

O

U

Gehäuse 80×75

Pg13.5

57

ca.75

Dichtung   SW27

16

Screw plug acc. to DIN910
- G1A-A1

G1

o=122

Ø12

x=278±2

u=120

S

e=36

Ø30×44

S

Performance diagram

30 VA

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

U[V]

250

60

0   0,120   0,500   I[A]
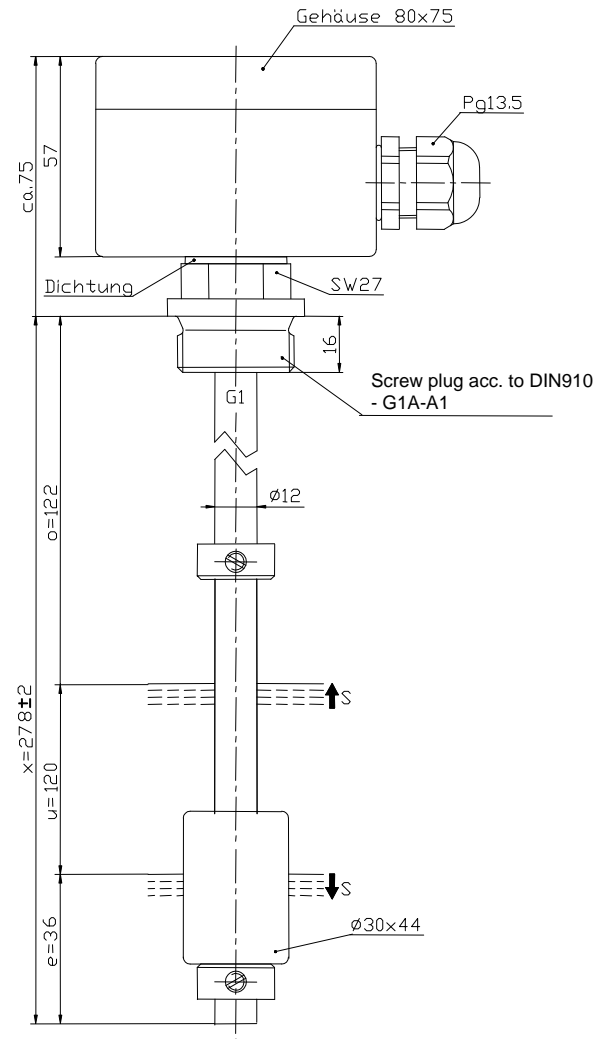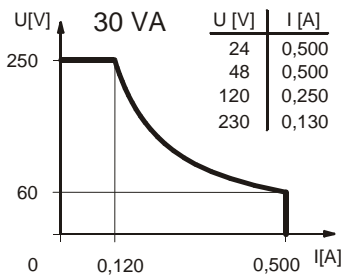
Characteristic features in accordance with EN 60947-5-1

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	1 x normally-open contact, rising level 1 x normally-open contact, falling level
Protection class	I

Technical Data
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Mechanical data

Terminal box material	GD-AlSi12 (3.2982.05)
Screw plug material	X6CrNiMoTi17 12 2 (1.4571)
Switching tube material	X6CrNiMoTi17 12 2 (1.4571)
Float material	NBR
-density	about 0,44 g/cm³ ±10%
-depth of immersion	20 mm ±2 mm (to a fluid-density of 1 g/cm³)
Adjusting ring material	X6CrNiMoTi17 12 2 (1.4571)
Gasket material	Klingersil C 4400 and 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	15 bar

EU 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.

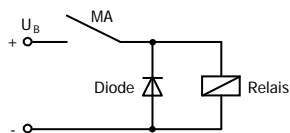The measures of the switching points refer to a fluid-density of 1 g/cm^3.

The tolerance of the switching points is ±2mm

Maximum data must not be exceeded!

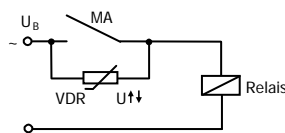Pay attention to the contact protection, when switching inductive loads.

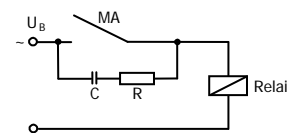### Inductive loads

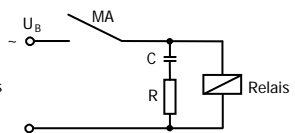Direct current   Alternating voltage

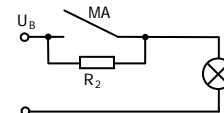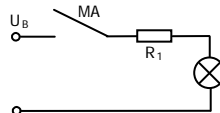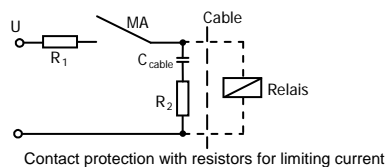Suppression of voltage peaks with a free-wheeling diode   Suppression of voltage peaks with a VDR   Suppression of voltage peaks with an RC element

Capacitive loads and lamp loads

Contact protection with resistors for limiting current

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Vorlage : 0850174275 Orig. 2