

# Technical Data

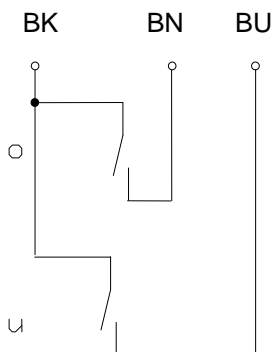
## Float Switch

### Standard float switches

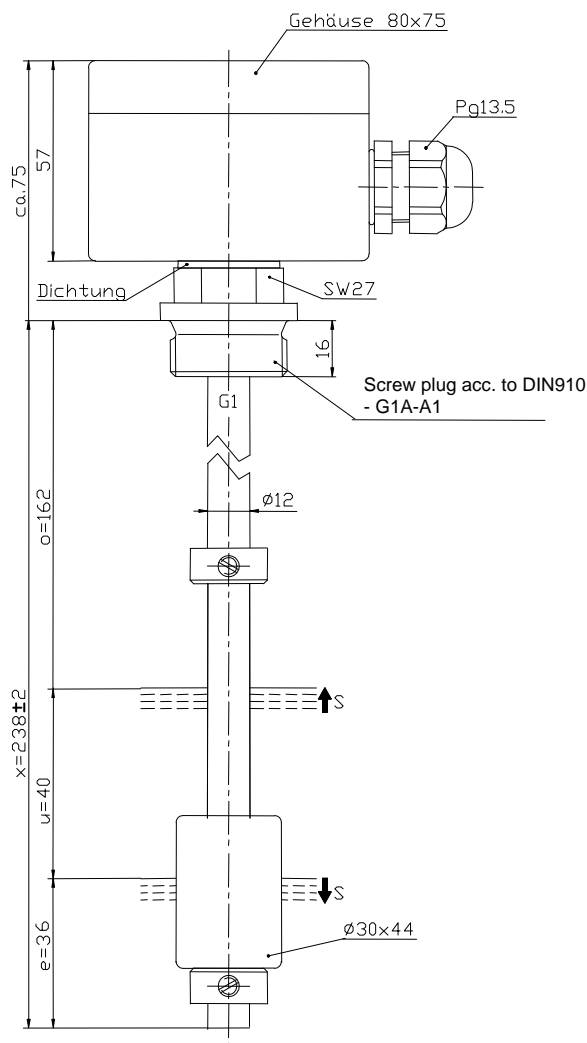
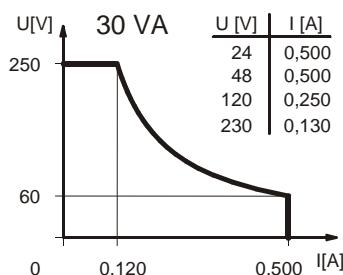
Description **MAR-722 KR1,0S 0238**

Article number **6825147003**

Wiring diagram



Performance diagram



### 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 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load
Switching element	1 x normally-open contact, rising level 1 x normally-open contact, falling level
Protection class	I

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# Technical Data

## Float Switch

### Mechanical data

Terminal box material	X6CrNiMoTi17 12 2 (1.4571)
Screw plug material	X6CrNiMoTi17 12 2 (1.4571)
Switching tube material	X6CrNiMoTi17 12 2 (1.4571)
Float material	NBR
-density	about 0,44 g/cm <sup>3</sup> ±10%
-depth of immersion	20 mm ±2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
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

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<sup>3</sup>.

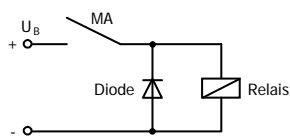
The tolerance of the switching points is ±2mm

Maximum data must not be exceeded!

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

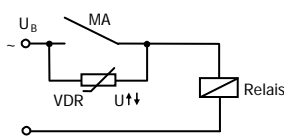
### Inductive loads

#### Direct current

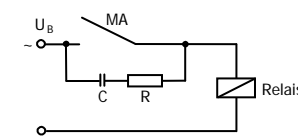


Suppression of voltage peaks with a free-wheeling diode

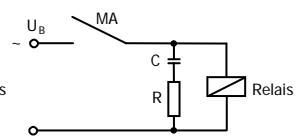
#### Alternating voltage



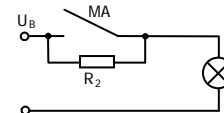
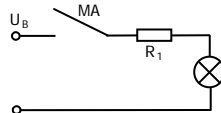
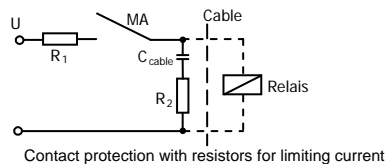
Suppression of voltage peaks with a VDR



Suppression of voltage peaks with an RC element



### Capacitive loads and lamp loads



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