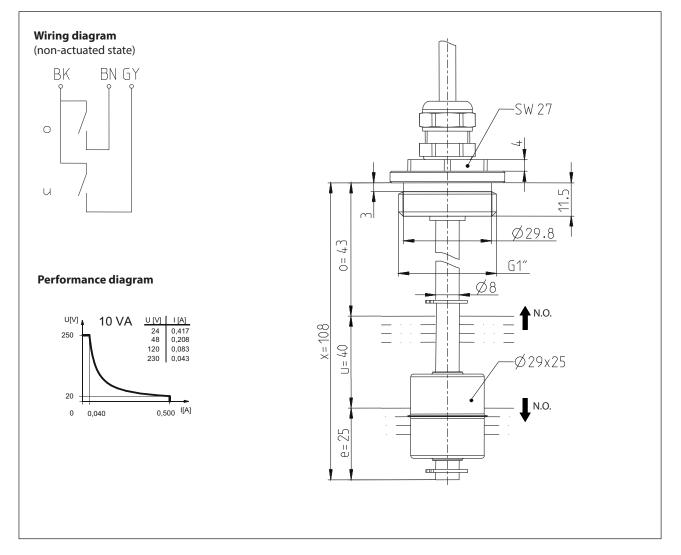


## Float switch

# Series Miniature-Float switch

Description MSN2-MS-R1,0-2S 0108

Article number 6891289005



#### 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	10 VA
mechanical life	10 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load
Switching element	1 N.O., rising level 1 N.O., falling level
Protection class	II (totally insulated)

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2015-08-13 and will not be removed in case of changes.

### **Technical Data**



Mechanical data	
Bolting material	CuZn39Pb3 (CW614N)
Switching tube material	CuZn37 (CW508L)
Float material - density - depth of immersion	X6CrNiMoTi17-12-2 (1.4571) about 0,6 g/cm <sup>3</sup> $\pm$ 10 % 18 mm $\pm$ 2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Grip screw material	CuSn8 (CW453K)
Ambient air temperature	-10 °C to +105 °C
Liquid temperature	-10 °C to +110 °C
Connection	Cable 3 x 0,5 mm <sup>2</sup> x 30 m $\pm$ 5 %, silicone with pin cable shoe 12 mm (partly insulated)
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

**EU Conformity** 

acc. to directive 2006/95/EC

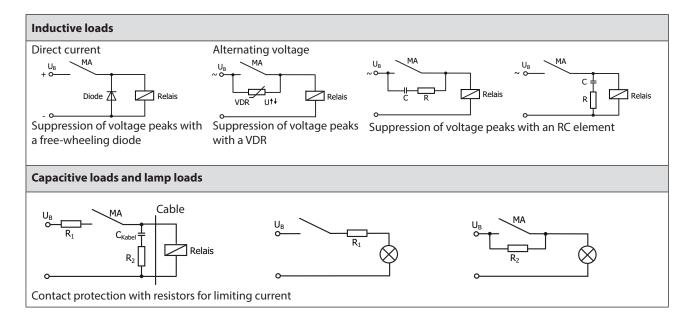
#### **General details**

Repeatability of switching points is  $\pm 0.05$  mm 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  $\pm 2 \text{ mm}$ 

It is from customer side to provide a contact protection, because the connection cable behaves as a capacitive load in the required length!

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



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