

# Technical Data

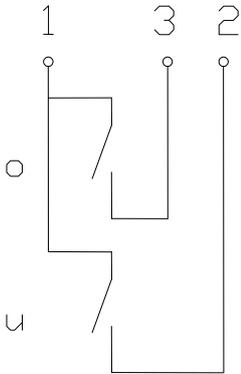
## Float Switch

### Standard float switches

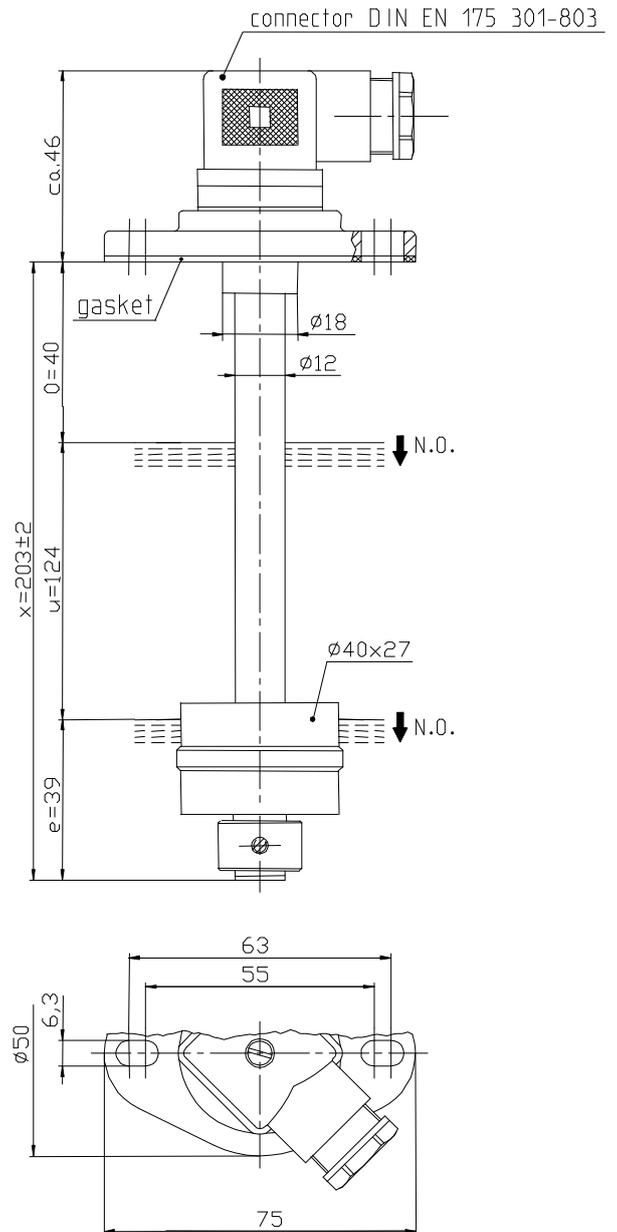
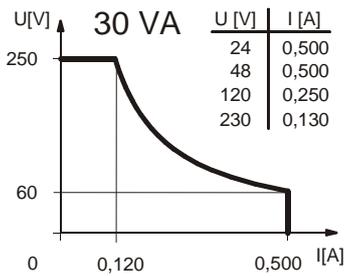
Description **MAK-722 KTOS 0203**

Article number **6825306005**

#### 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	2 x normally-open contact, falling level
Protection class	II (protective insulation)

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Date of issue : 05.08.2013 / Page 1 of 2  
Document : 6825306005\_en / Last update : 1 / 6601-13

### Mechanical data

Flange material	PA6.6
Switching tube material	PVC
Float material	POM
-density	about 0,7 g/cm <sup>3</sup> ±10%
-depth of immersion	18 mm ±2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Adjusting ring material	PVC
Gasket material	NBR
Ambient air temperature	-5°C to +60°C
Liquid temperature	-5°C to +60°C
Connection	Connector DIN EN 175 301-803
Protection type	IP 65 acc to IEC529 / EN 60529 ( <u>only with female socket</u> )
Max. pressure	5 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.

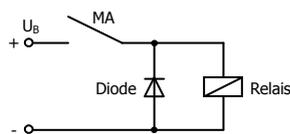
The measures of the switching points refer to a fluid-density of 1 g/cm<sup>3</sup>.

The tolerance of the switching points is ±2mm

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

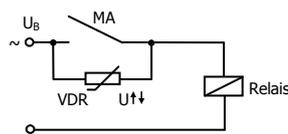
### Inductive loads

Direct current

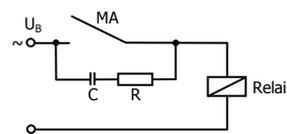


Suppression of voltage peaks with a free-wheeling diode

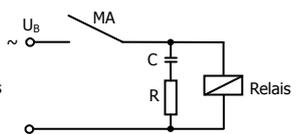
Alternating voltage



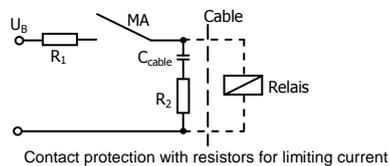
Suppression of voltage peaks with a VDR



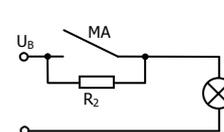
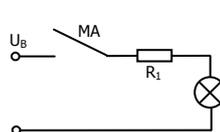
Suppression of voltage peaks with an RC element



### Capacitive loads and lamp loads



Contact protection with resistors for limiting current



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Date of issue : 05.08.2013 / Page 2 of 2  
Document : 6825306005\_en / Last update : 1 / 6601-13