

# Technical Data

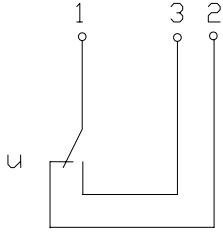
## Float Switch

### Standard float switches

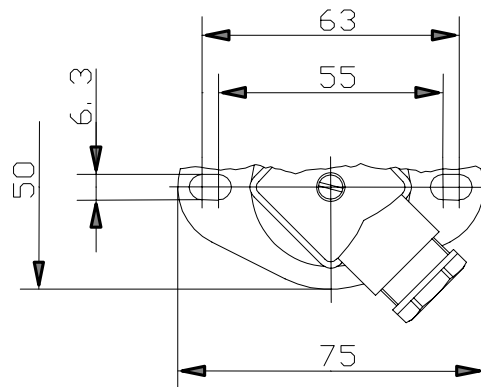
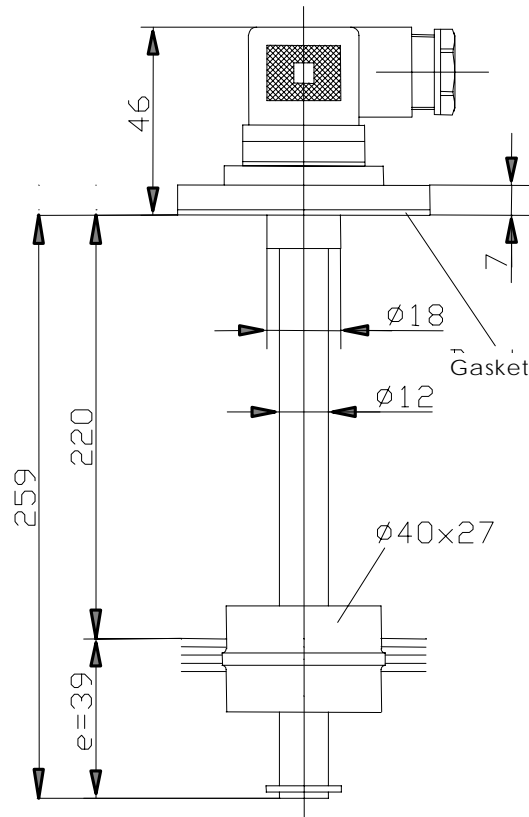
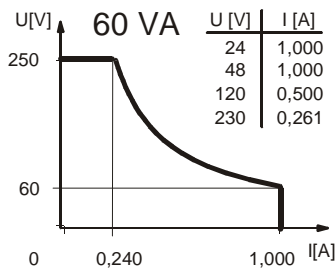
Description **MAM-713 LTOS 0259**

Article number **6816200010**

Wiring diagram  
(non activated condition)



Performance diagram



### Characteristic features in accordance with EN 60947-1 und EN 62246-1

#### Electrical data

max. switching voltage	250 V
max. switching current	1,0 A
max. switching capacity	60 VA
min. switching capacity	3 VA
Mechanical life	10 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load
Switching element	1 change over, falling level
Protection class	II (insulated)

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### Mechanical data

Flange material	PA 6.6
Switching tube material	CuZn37 (CW508L)
Float material	POM
-density	etwa 0,7 g/cm <sup>3</sup> ±10%
-depth of immersion	18 mm ±2 mm ( bei Dichte 1 g/cm <sup>3</sup> )
Adjusting ring material	CuSn8 (CW453K)
Gasket material	NBR
Ambient air temperature	-5°C ... +60°C
Liquid temperature	-5°C ... +60°C
Connection	connectors acc. to DIN EN 175 301-803
Protection type	IP 65 acc to IEC529 / EN 60529 (only with corresponding plug)
max. pressure	5 bar

### General details

Repeatability of switching points is  $\pm 0,05\text{mm}$  based on the same geometrical conditions as of a switch device.

The measures of the switching points refer to a fluid-density of  $1\text{ g/cm}^3$ .

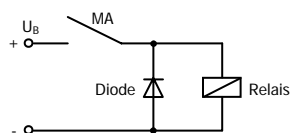
The tolerance of the switching points is  $\pm 2\text{mm}$ .

Maximum data must not be exceeded!

Pay attention to the contact protection, when switching inductive and capacitive loads!

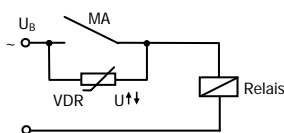
### Inductive loads

Direct current

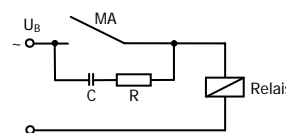


Suppression of voltage peaks with a free-wheeling diode

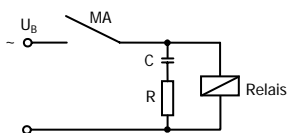
Alternating voltage



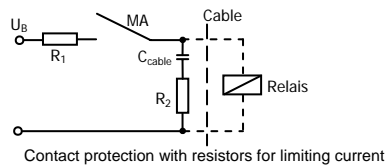
Suppression of voltage peaks with a VDR



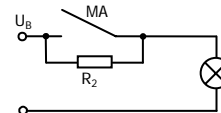
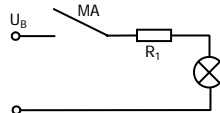
Suppression of voltage peaks with an RC element



### Capacitive loads and lamp loads



Contact protection with resistors for limiting current



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