

Technical Data

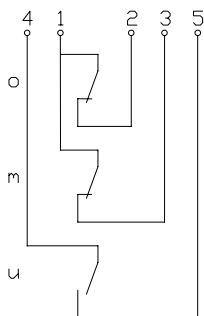
Float Switch

Standard float switches

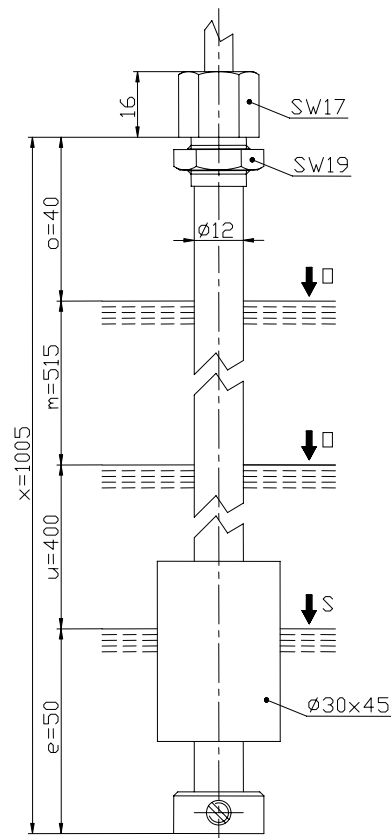
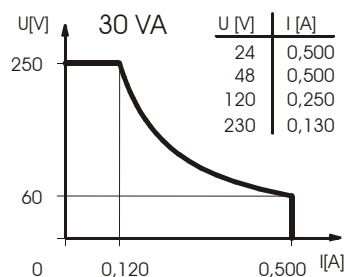
Description **MAT-733 KVS 1005**

Article number **6835161004**

Wiring diagram



Performance diagram



Electrical data

max. switching voltage	50 V AC, 120 V DC
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	2 x normally-closed contact, 1 x normally-open contact, falling level
Protection class	III

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Date of issue : 12.10.2010 / Page 1 of 2
Document : 6835161004_en.doc / Last update : 2 / 0555-10

Mechanical data

Screw connection material	1.4571
Hexagon nut material	1.4571
Switching tube material	1.4571
Float material	PP
-density	about 0,61 g/cm ³ ±10%
-depth of immersion	27,5 mm ±2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	1.4571
Gasket material	NBR
Ambient air temperature	-5°C to +60°C
Liquid temperature	-5°C to +60°C
Connection	Cable 5 x 0,5 mm ² x 1 m ± 5 %, PVC
Protection type	IP 00 acc to DIN VDE 0470 T1
Max. pressure	10 bar

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/cm³.

The tolerance of the switching points is ±2mm

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

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Date of issue : 12.10.2010 / Page 2 of 2
Document : 6835161004_en.doc / Last update : 2 / 0555-10