

Technical Data

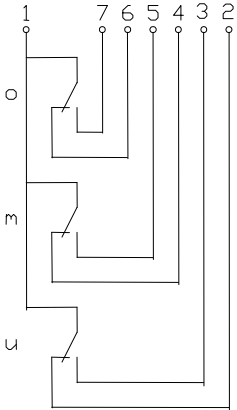
Float Switch

Standard float switches

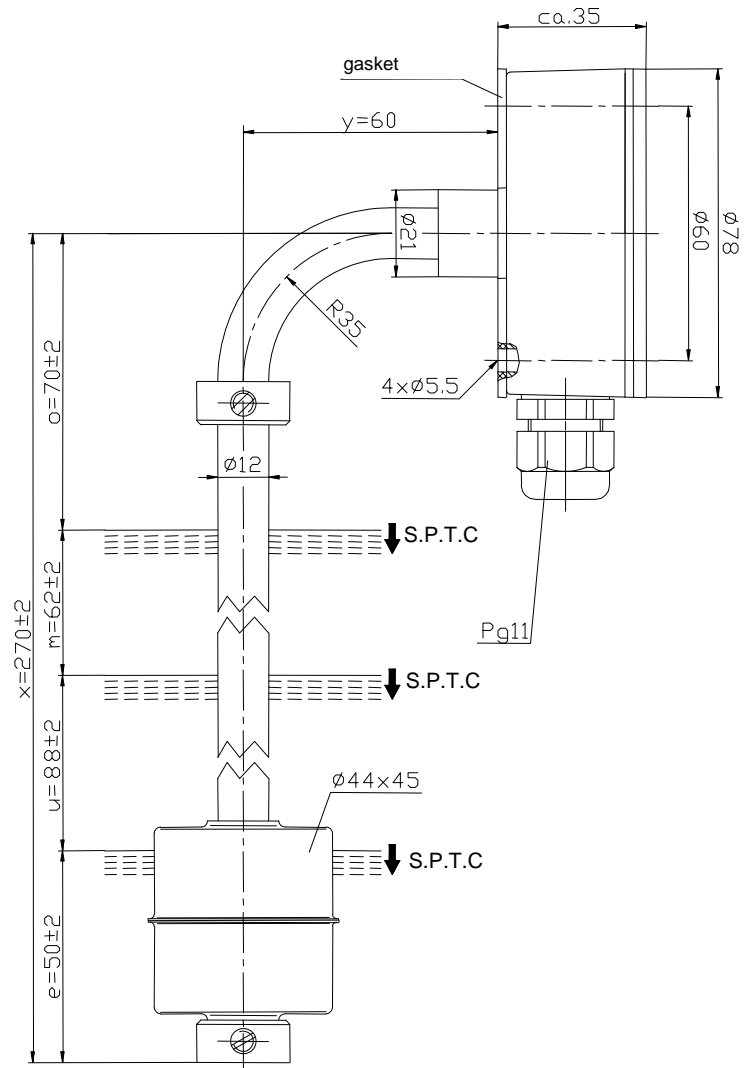
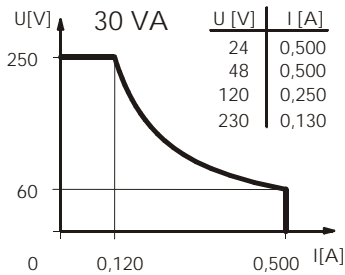
Description **MAN-733 KBS 0270**

Article number **6835135029**

Wiring diagram



Performance diagram



Identifying characteristics in accordance with DIN 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 ⁷ to 10 ⁹ switches depending on the load
Switching element	3 x change-over contact, falling level
Protection class	I

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Mechanical data

Terminal box material	GK-AL SI 12 (3.2581.02)
Switching tube material	X6CrNiMoTi17 12 2 (1.4571)
Float material	X6CrNiMoTi17 12 2 (1.4571)
-density	about 0,7 g/cm ³ ±10%
-depth of immersion	33 mm ±2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	X6CrNiMoTi17 12 2 (1.4571)
Gasket material	NBR
Ambient air temperature	-5°C bis +100°C
Liquid temperature	-5°C bis +120°C
Connection	connecting block inside the terminal box
Protection type	IP 65 acc to IEC 529 / EN 60529
Max. pressure	10 bar

EU Conformity

acc. to directive 2006/42/EG

General details

Repeatability of switching points is ±0,05mm based on the same geometrical conditions as of a switch device.

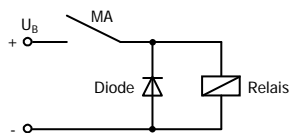
The measures of the switching points refer to a fluid-density of 1 g/cm³.

The tolerance of the switching points is ±2mm

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

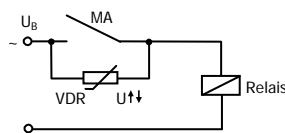
Inductive loads

Direct current

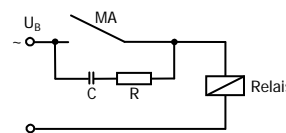


Suppression of voltage peaks with a free-wheeling diode

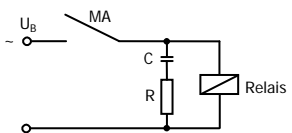
Alternating voltage



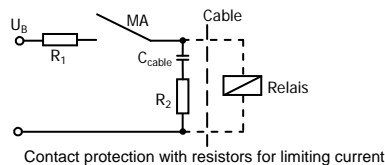
Suppression of voltage peaks with a VDR



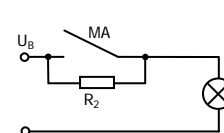
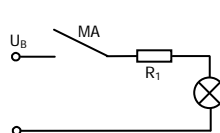
Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads



Contact protection with resistors for limiting current



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