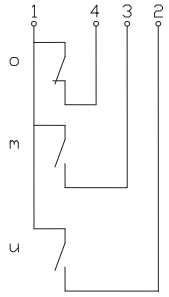
Float switch

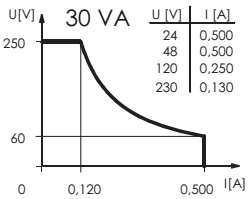
Series Standard-Float switch

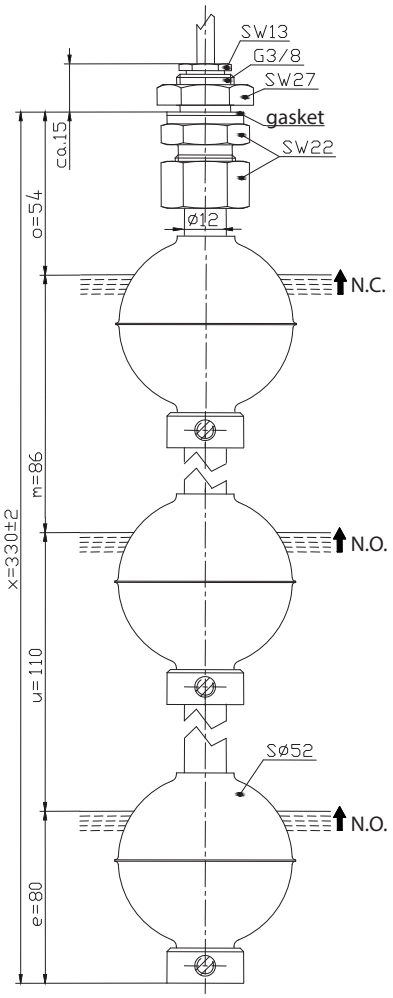
Description **MAE-734 KAS 0330**	Article number **6835182026**

Wiring diagram
(non-actuated state)



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	10^7 to 10^9 switches depending on the load
Switching element	1 x N.C. , rising level 2 x N.O., rising level
Protection class	II (totally insulated)

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.

Mechanical data	
Bolting material	X6CrNiMoTi17-12-2 (1.4571)
Hexagonal nut material	X10CrNiS18 9 (1.4305)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material - density - depth of immersion	X6CrNiMoTi17-12-2 (1.4571) about 0,65 g/cm³ ±10 % 32 mm ± 2 mm (to a fluid-density of 1 g/cm³)
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Gasket material	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 4 x 0,5 mm² x 3 m ± 5 %; PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	10 bar

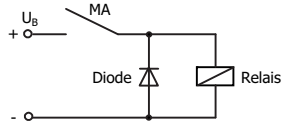
EU Conformity	
	acc. to directive 2006/95/EC

General details

Repeatability of switching points is ±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/cm³.
The tolerance of the switching points is ±2 mm
Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!

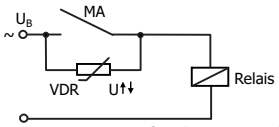
Inductive loads

Direct current

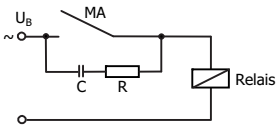


Suppression of voltage peaks with a free-wheeling diode

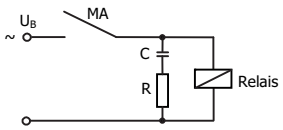
Alternating voltage



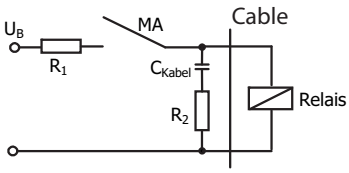
Suppression of voltage peaks with a VDR

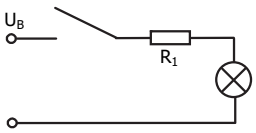


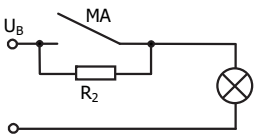
Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads







Contact protection with resistors for limiting current