

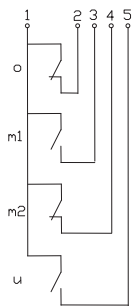
Float switch

Series Standard-Float switch

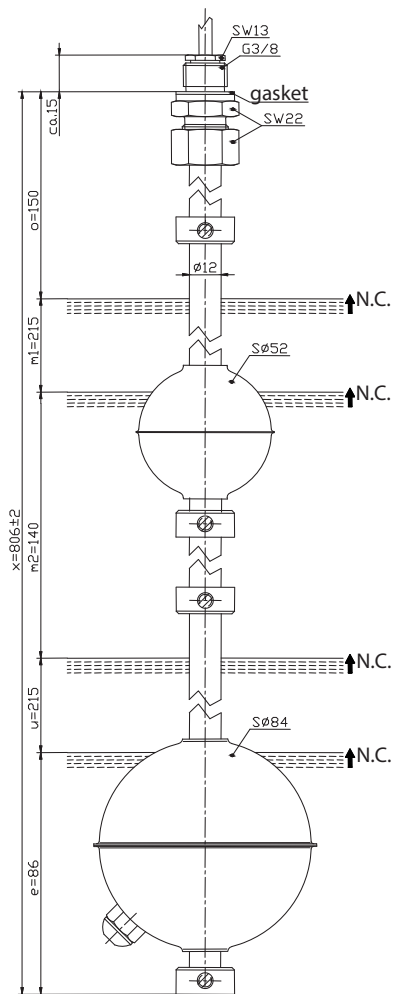
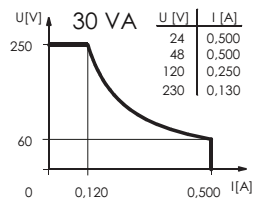
Description **MAE(G)-741 KAS 0806**

Article number **6845182022**

Wiring diagram (non-actuated state)



Performance diagram



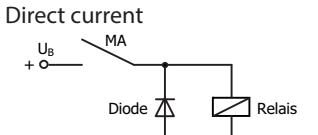
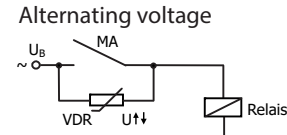
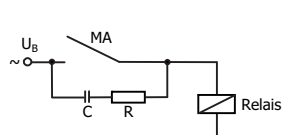
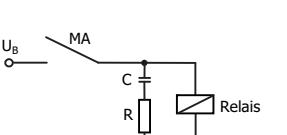
Characteristic features in accordance with EN 60947-5-1

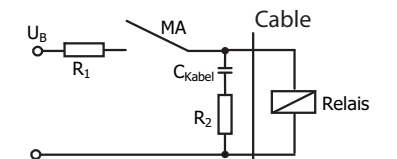
Electrical data	
max. switching voltage	250 V
max. switching current	0,5 A
max. switching capacity	30 VA
mechanical life	10 ⁷ to 10 ⁹ switches depending on the load
Switching element	4 x N.C., rising level
Protection class	II (totally insulated)

Mechanical data	
Bolting material	X6CrNiMoTi17-12-2 (1.4571)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	X6CrNiMoTi17-12-2 (1.4571)
FLoad SØ52 - density	about 0,65 g/cm ³ ±10 %
- depth of immersion	32 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
FLoad SØ84 - density	about 0,87 g/cm ³ ±10 %
- depth of immersion	70 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
	The float is filled with quartz sand. The density can be changed.
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 5 x 0,5 mm ² x 5 m ± 5 %; PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	3 bar

EU Conformity
acc. to directive 2006/95/EC

General details
<p>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!</p>

Inductive loads
<p>Direct current</p>  <p>Suppression of voltage peaks with a free-wheeling diode</p> <p>Alternating voltage</p>  <p>Suppression of voltage peaks with a VDR</p>  <p>Suppression of voltage peaks with an RC element</p> 

Capacitive loads and lamp loads
 <p>Contact protection with resistors for limiting current</p> 