

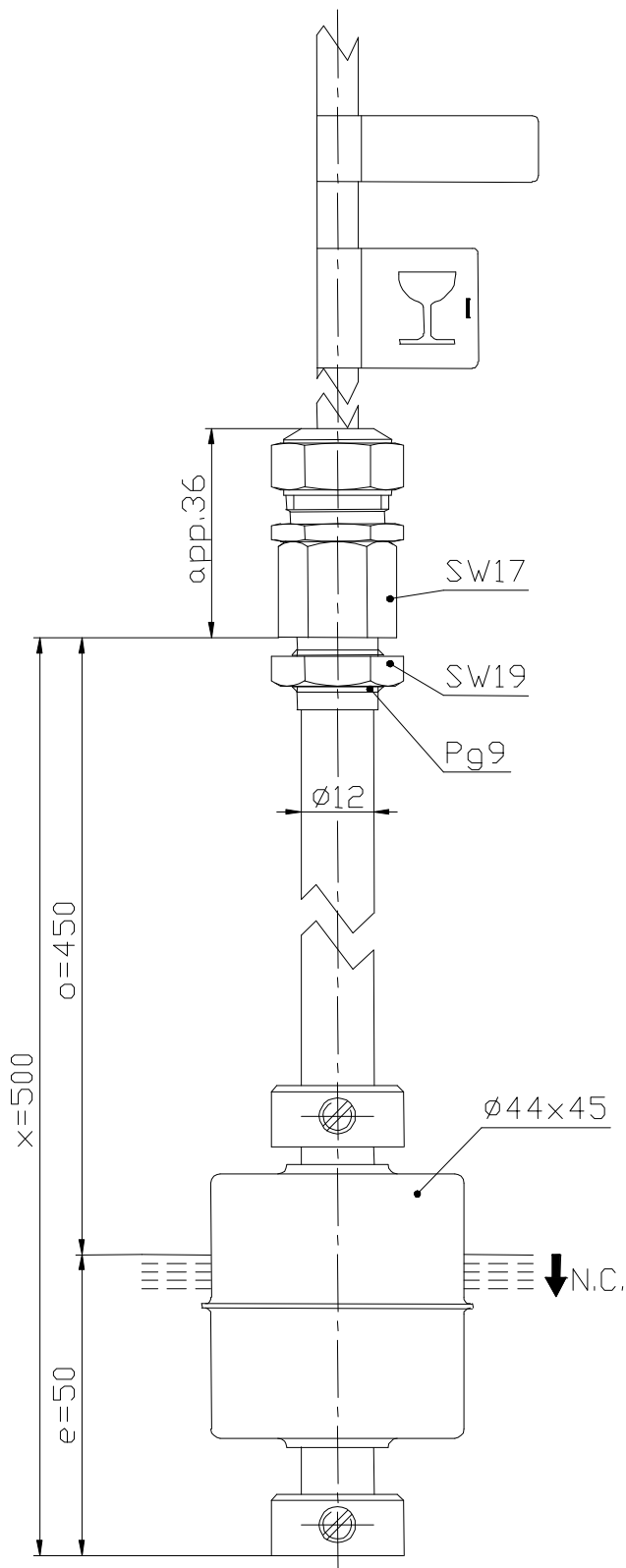
Technical Data

Float Switch

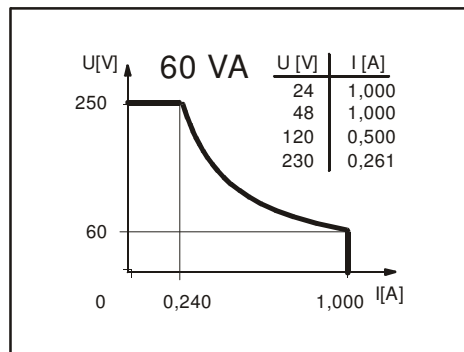
Standard float switches

Description **MAN-711 HVS 0500**

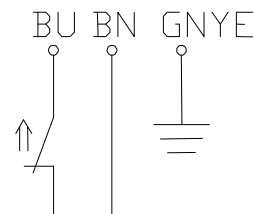
Article number **6810121002**



Performance diagram (maximum data)



Wiring diagram (matching to the drawing)



Subject to change without notice.

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Standard float switches

Description **MAN-711 HVS 0500** Article number **6810121002**

Electrical data

Reed contact	max. switching voltage	250 V
	max. switching current	1,0 A
	max. switching capacity	60 VA
	mechanical life	10 ⁷ to 10 ⁹ switches depending on the load
Switching element		1 normally-closed contact, falling level
Direction category		AC-22A and DC-22A acc to DIN VDE 0660 T107
Standard		acc to DIN VDE 0660 T200

Mechanical data

Screw connection material	X6CrNiMoTi 17 12 2 (1.4571)	
Hexagon nut material	X6CrNiMoTi 17 12 2 (1.4571)	
Switching tube material	X6CrNiMoTi 17 12 2 (1.4571)	
Float material	X6CrNiMoTi 17 12 2 (1.4571)	
	-density	about 0,7 g/cm ³ ±10%
	-depth of immersion	32 mm ±2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	X6CrNiMoTi 17 12 2 (1.4571)	
Gasket material	NBR	
Ambient air temperature	-5°C to +150°C	
Liquid temperature	-5°C to +150°C	
Connection	2m cable, silicone, 3x0,75mm ²	
Protection type	IP 65 acc to DIN VDE 0470 T1	
Max. pressure	15 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!