

Float switch

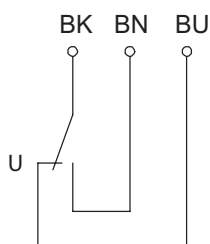
Series Standard-Float switch

Description **MAN-713 LSS 0250**

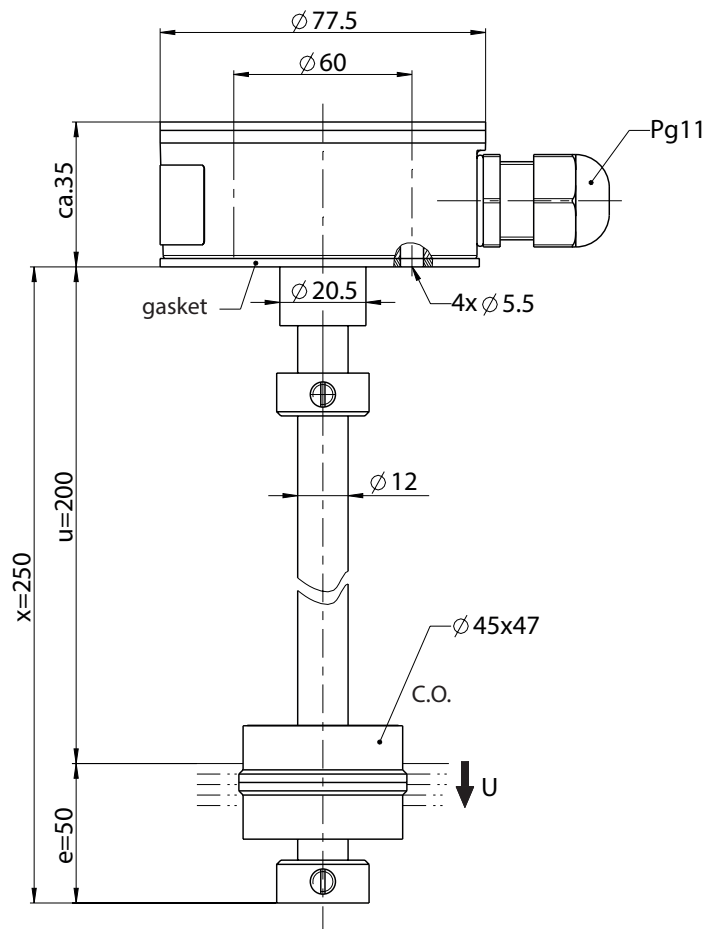
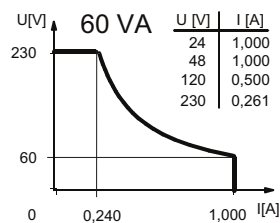
Article number **6816125067**

Wiring diagram

(non-actuated state)



Performance diagram



Electrical data

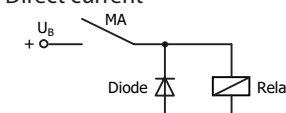
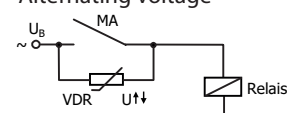
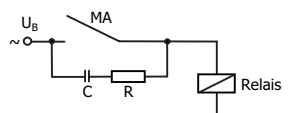
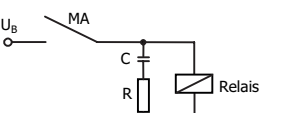
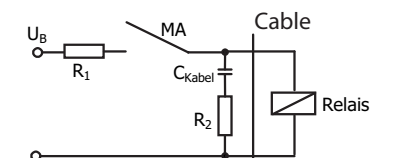
Rated voltage	U_r	250 V
max. switching current		1,0 A
max. switching capacity		60 VA
min. switching capacity		3 VA
mechanical life		10^7 to 10^9 switching operations depending on the load to be switched
Switching element		1 C.O., falling level
Protection class		I

Mechanical data	
Enclosure material	GD-AlSi12 (3.2581.05)
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	32 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 to +120 °C
Liquid temperature	-5 °C to +120 °C
Connection	Connecting block inside the terminal box
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	10 bar

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

General details
Reproducibility of the switching points with the same geometric ratios ±0.05mm, referred to a switching 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	