

Float switch

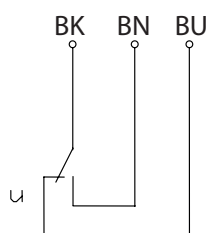
Series Standard-Float switch

Description **MAA-713 LSS 0199**

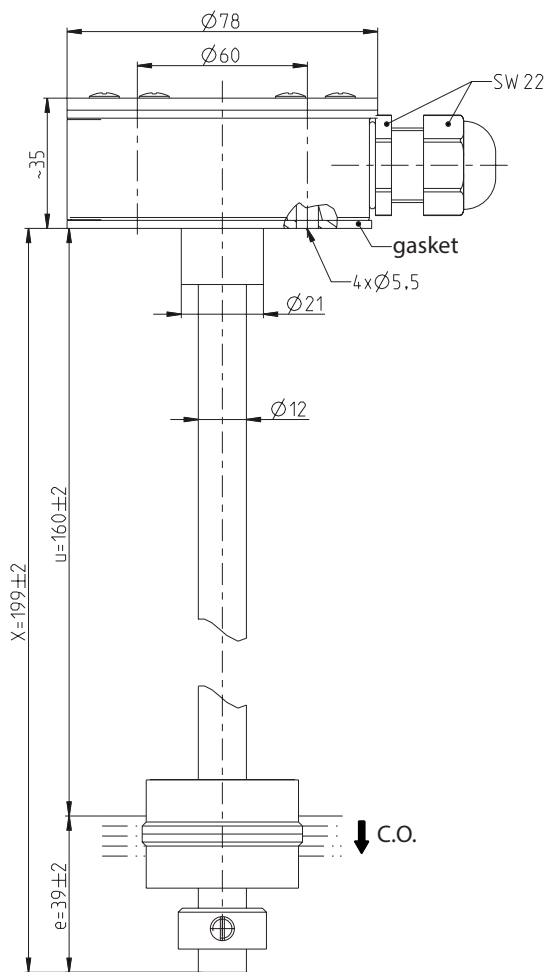
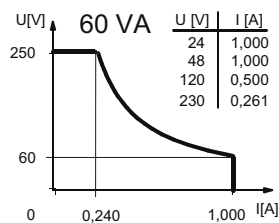
Article number **6816105192**

Wiring diagram

(non-actuated state)



Performance diagram



Electrical data

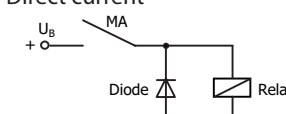
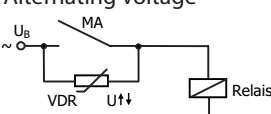
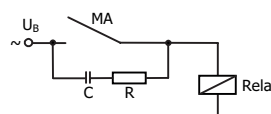
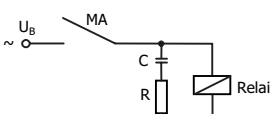
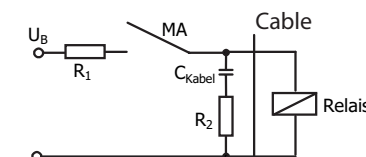
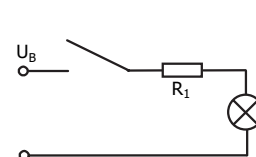
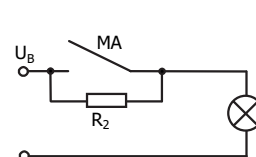
Rated voltage	U_r	250 V
max. switching current		1,0 A
max. switching capacity		60 VA
min. switching capacity		3 VA
Rated insulation voltage	U_i	300 V AC
Rated impulse withstand voltage	U_{imp}	2,5 kV AC
Overvoltage category		II
mechanical life		10^7 to 10^9 switches depending on the load
Switching element		1 C.O., falling level
Protection class		II (totally insulated)

Mechanical data	
Terminal box material	Aluminium coated RAL 3016
Cable gland material	PA
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	POM
- density	about 0,7 g/cm ³ ±10 %
- depth of immersion	18 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 +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Connecting block inside the terminal box Cable gland with sealing range 4 - 10 mm
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	10 bar

Standards
DIN EN 50178

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

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			

Notes
Delimon-ID-No.: 39161-1113