

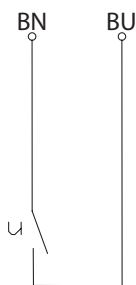
Float switch

Series Miniature-Float switch

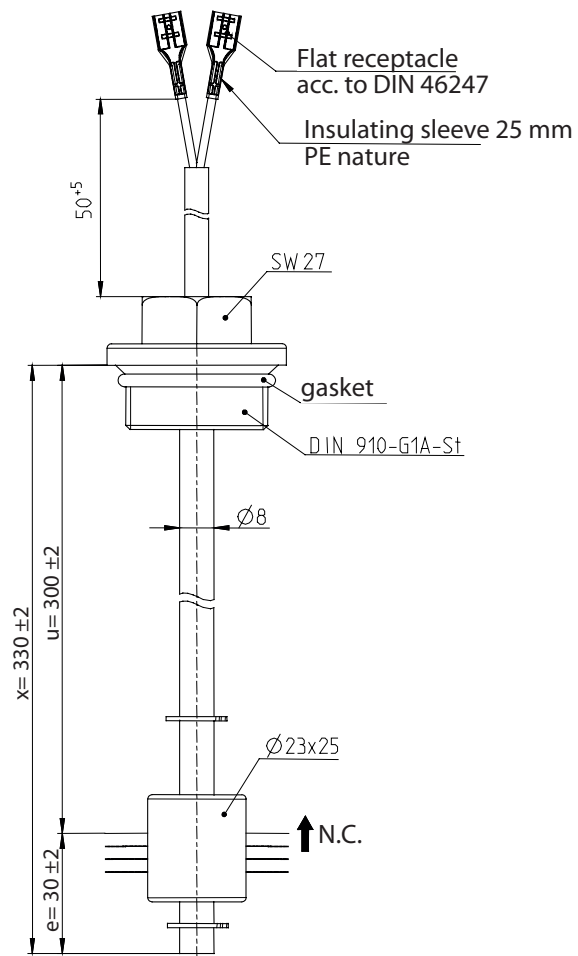
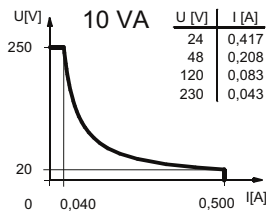
Description **MAL-713 BY5 0330**

Article number **6811280003**

Wiring diagram (non-actuated state)



Performance diagram



Electrical data			
Rated voltage	U_r	250 V	
max. switching current		0,5 A	
max. switching capacity		10 VA	
Rated insulation voltage	U_i	300 V AC	
Rated impulse withstand voltage	U_{imp}	4 kV AC	
Overvoltage category		II	
Switching element		1 N.C., rising level	
Protection class		II (totally insulated)	

Mechanical data	
Bolting material	S235 JR (1.0037) (cover DIN 50961-Fe/Zn 6 B)
Switching tube material	CuZn37 (CW508L)
Float material	PVC
- density	about 0,55 g/cm ³ ±10 %
- depth of immersion	19 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Grip screw material	CuSn8 (CW453K)
Gasket material	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 2 x 0,5 mm ² x 1 m ± 5 %, PVC with flat connector DIN 46247; 6,3 mm isolated
Protection type	IP 65 acc to EN 60529
Max. pressure	5 bar

Standards
DIN EN 60947-5-1

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

General details
The measures of the switching points refer to a fluid-density of 1 g/cm ³ . 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
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Direct current</p> <p>Suppression of voltage peaks with a free-wheeling diode</p> </div> <div style="text-align: center;"> <p>Alternating voltage</p> <p>Suppression of voltage peaks with a VDR</p> </div> <div style="text-align: center;"> <p>Suppression of voltage peaks with an RC element</p> </div> </div>

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