

Float switch

Series Standard-Float switch

Description **MAL-722 BY5 0277 (LP)**

Article number **6821280005**

Wiring diagram
(non-actuated state)

Supervisory board

Performance diagram

Electrical data		
Rated voltage	U_r	24 V DC
max. switching current		0,5 A
max. switching capacity		10 VA
Rated insulation voltage	U_i	50 V AC
Rated impulse withstand voltage	U_{imp}	0,5 kV AC
Overvoltage category		II
mechanical life		10^7 to 10^9 switches depending on the load
Switching element		1 N.O., falling level 1 N.O., rising level

Mechanical data	
Bolting material	CuZn39Pb3 (CW614N)
Plug material	PA
Switching tube material	CuZn37 (CW508L) (Teflon coated)
Float material	NBR
- 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 +50 °C
Liquid temperature	-5 °C to +50 °C
Connection	Plug connector acc. to DIN EN 175 301-803
Protection type	IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs)
Max. pressure	5 bar

Standards
DIN EN 50178

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
 Maximum data must not be exceeded!
 Only use in circuits with protective separation and in range with potential equalization.
 Pay attention to the contact protection, when switching inductive or capacitive loads.

