

Float switch

Series Standard-Float switch

Description **MAM-712 FTS 0284**

Article number **6814210005**

Wiring diagram
(non-actuated state)

Performance diagram

U [V]	I [A]
24	3,000
48	2,083
120	0,833
230	0,435

Electrical data	
Rated voltage	U_r 250 V
max. switching current	3,0 A
max. switching capacity	100 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.O., falling level
Protection class	II (totally insulated)

Mechanical data	
Flange material	PC
Switching tube material	CuZn37 (2.0321)
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)
Grip screw material	CuSn8 (2.1030)
Gasket material	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Connector DIN EN 175301-803
Protection type	IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs)
Max. pressure	10 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>