

Float switch

Series Standard-Float switch

Description **MAN-732 LR2,0S 0340**

Article number **6836129017**

Wiring diagram
(non-actuated state)

Performance diagram

U [V]	I [A]
24	1,000
48	1,000
120	0,500
230	0,261

Characteristic features in accordance with EN 60947-5-1

Electrical data	
max. switching voltage	250 V
max. switching current	1 A
max. switching capacity	60 VA
min. switching capacity	3 VA
mechanical life	10 ⁷ to 10 ⁹ switches depending on the load
Switching element	2 x N.O., rising level 1 x N.O., falling level
Protection class	I

Mechanical data	
Terminal box material	GD-AlSi12 (3.2581.05)
Screw connection material	X6CrNiMoTi17-12-2 (1.4571)
Screw connection material	brass, nickel plated
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	X6CrNiMoTi17-12-2 (1.4571)
- density	about 0,69 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 and Klingersil C-4400
Ambient air temperature	-5 °C to +80 °C
Liquid temperature	-5 °C to +120 °C
Connection	Connecting block inside the terminal box
Protection type	IP 54 acc to IEC529 / EN 60529
EU Conformity	
acc. to directive 2006/95/EC	

General details
<p>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!</p>

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
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Cable</p> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div> <p>Contact protection with resistors for limiting current</p>