

Float switch

Series Miniature-Float switch

Description **MSK2-PVC-R3/8-S 0500**

Article number **6891323075**

Wiring diagram
(non-actuated state)

Performance diagram

U [V]	I [A]
24	0,417
48	0,208
120	0,083
230	0,043

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
Bemessungsstoßspannungsfestigkeit	U_{imp}	4 kV AC
Overvoltage category		II
mechanical life		10^7 to 10^9 switches depending on the load
Switching element		1 N.O., falling level
Protection class		II (totally insulated)

Mechanical data	
Bolting material	PVC
Switching tube material	PVC
Float material	PVC
- density	about 0,7 g/cm ³ ±10 %
- depth of immersion	17 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Grip screw material	PVC
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 2 x 0,34 mm ² x 3 m ± 5 %, PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

Standards
DIN EN 50178

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
<p>Contact protection with resistors for limiting current</p>