

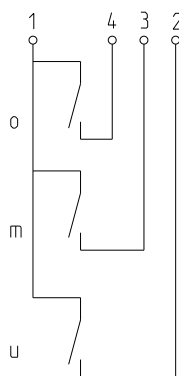
Float switch

Series Standard-Float switch

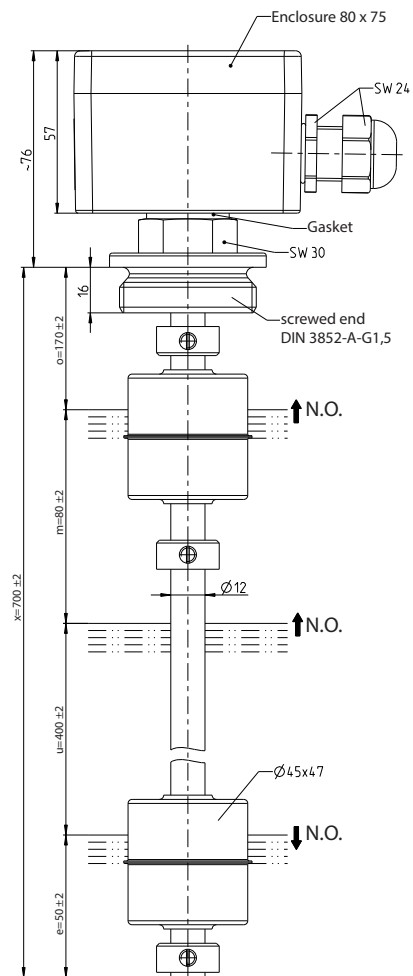
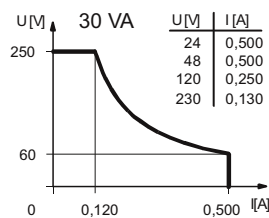
Description **MAN-732 KR1,5S 0700**

Article number **6835128026**

Wiring diagram (non-actuated state)



Performance diagram



Electrical data		
Rated voltage	U_r	250 V
max. switching current		0,5 A
max. switching capacity		30 VA
Rated insulation voltage	U_i	300 V AC
Rated impulse withstand voltage	U_{imp}	1,2 kV AC
Overvoltage category		II
mechanical life		10^7 to 10^9 switches depending on the load
Switching element		o = N.O., rising level m = N.O., rising level u = N.O., falling level
Protection class		I

Mechanical data	
Terminal box material	Aluminium coated, RAL 7001
Bolting material G1,5	X6CrNiMoTi17-12-2 (1.4571)
Cable gland material	PA6
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	X6CrNiMoTi17-12-2 (1.4571)
- density	about 0,7 g/cm ³ ±10 %
- depth of immersion	33 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Ambient air temperature	-5 °C to +80 °C
Liquid temperature	-5 °C to +100 °C
Connection	Connecting block inside the terminal box
Cable entrance	Clamping range of connecting cable 4 - 9 mm
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

Standards
DIN EN 50178

EU Conformity
acc. to directive 2014/35/EU

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 style="text-align: center;"> </div> </div>

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