

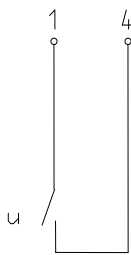
# Float switch

## Series Miniature-Float switch

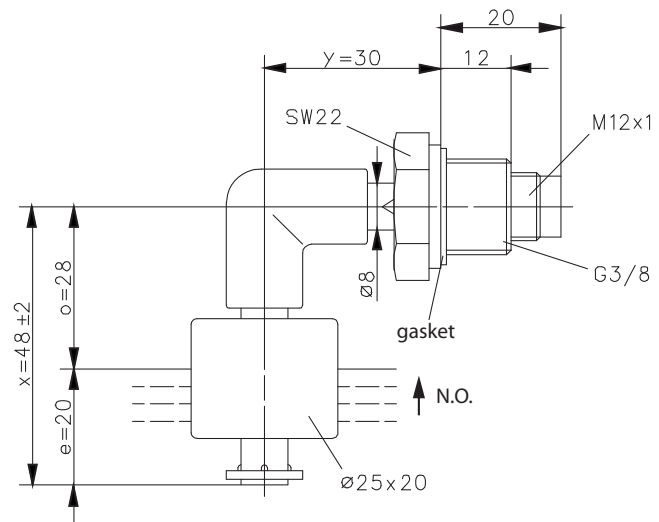
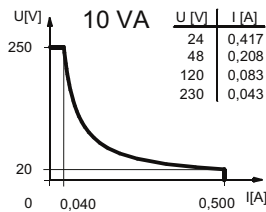
Description **MSK1-PVC-WR3/8ST-S 0048**

Article number **6891313021**

### Wiring diagram (non-actuated state)



### Performance diagram



### Electrical data

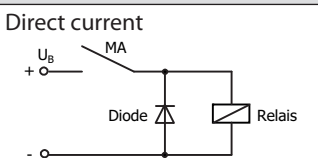
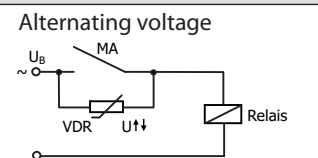
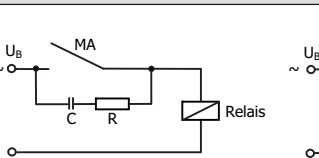
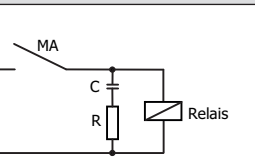
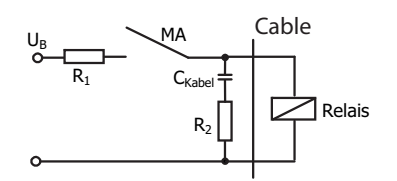
Rated voltage	$U_r$	250 V
max. switching current		0,5 A
max. switching capacity		10 VA
Rated insulation voltage	$U_i$	300 V AC
Rated impulse withstand voltage	$U_{imp}$	4 kV AC
Overvoltage category		II
mechanical life		$10^7$ to $10^9$ switches
Switching element		1 N.O., rising level
Protection class		II (totally insulated)

Mechanical data	
Terminal box material	PVC
Switching tube material	PVC
Float material	PP
- density	about 0,55 g/cm <sup>3</sup> ±10 %
- depth of immersion	12 mm ± 2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Grip screw material	PP
Gasket material	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Connector M12 x 1, 4-pole (Pole 1 and 4 connected)
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 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 <sup>3</sup> . 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			
<p><b>Direct current</b></p>  <p>Suppression of voltage peaks with a free-wheeling diode</p>	<p><b>Alternating voltage</b></p>  <p>Suppression of voltage peaks with a VDR</p>	 <p>Suppression of voltage peaks with an RC element</p>	
Capacitive loads and lamp loads			
 <p>Contact protection with resistors for limiting current</p>	