

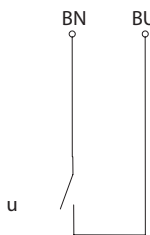
## Float switch

### Series Miniature-Float switch

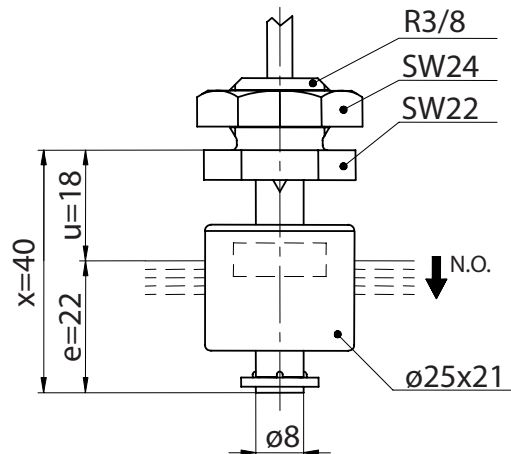
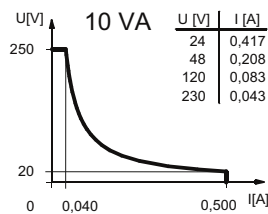
Description **MSK2-PVC-R3/8-S 0040**

Article number **6891323025**

#### Wiring diagram (non-actuated state)



#### Performance diagram



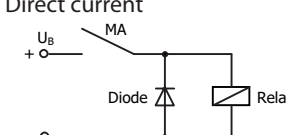
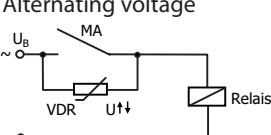
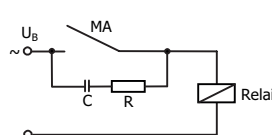
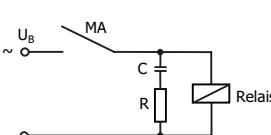
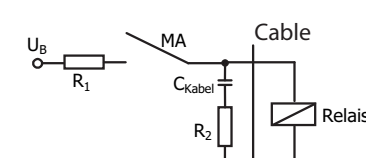
Electrical data			
Rated voltage	$U_r$	250 V	
max. switching current		0,5 A	
max. switching capacity		10 VA	
mechanical life		$10^7$ to $10^9$ switches	
Switching element		1 N.O., falling level By turning the float 180°, the switching function can be changed from normally open to normally closed.	
Protection class		II (totally insulated)	

Mechanical data	
Box material	PVC
Hexagon nut material	PVC
Float material	PVC
- density	about 0,7 g/cm <sup>3</sup> ±10 %
- depth of immersion	15 mm ± 2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Grip screw material	PVC
Ambient air temperature	-5 °C bis +60 °C
Liquid temperature	-5 °C bis +60 °C
Connection	Cable 2 x 0,34 mm <sup>2</sup> x 5 m ± 5 %, PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

General details
<p>Repeatability of switching points is ±0,05 mm based on the same geometrical conditions as of a switch device.</p> <p>The measures of the switching points refer to a fluid-density of 1 g/cm<sup>3</sup>.</p> <p>The tolerance of the switching points is ±2 mm</p> <p>Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!</p>

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>	