

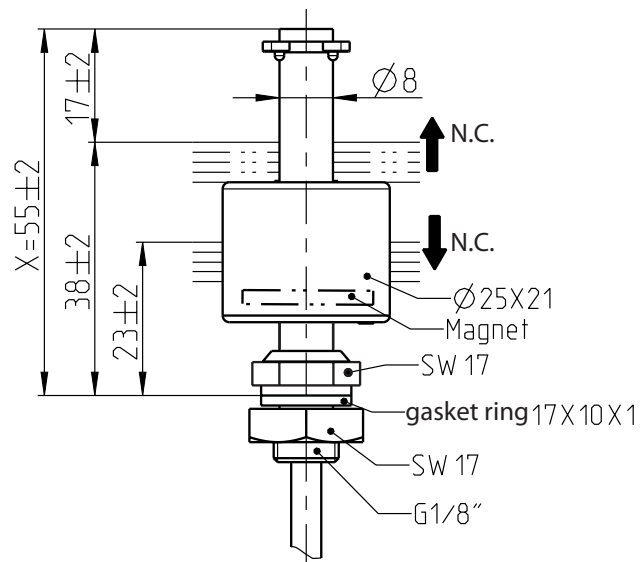
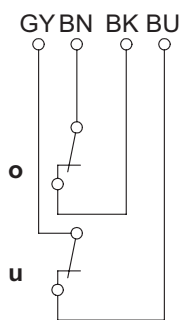
## Float switch

### Series Miniature-Float switch

Description **MSK1-PVC-R1/8-20 0055**

Article number **6890311004**

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



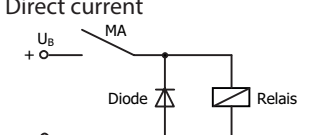
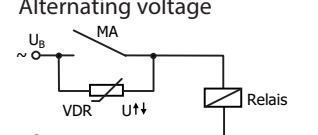
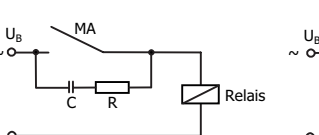
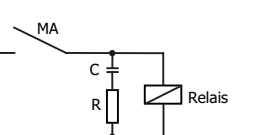
#### Electrical data

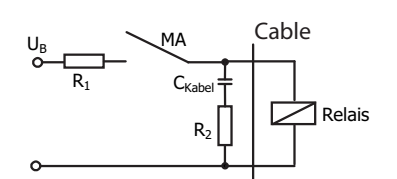
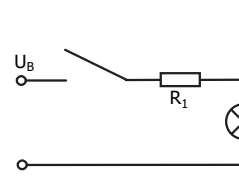
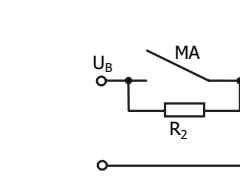
Rated voltage	$U_r$	36 V
max. switching current		0,25 A
max. switching capacity		5 VA
Rated insulation voltage	$U_i$	50 V AC
Rated impulse withstand voltage	$U_{imp}$	500 V AC
Overvoltage category		II
Switching element		1 N.C., rising level 1 N.C., falling level

Mechanical data	
Hexagonal nut material	PP
Housing material	PVC
Bolting 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> )
Gasket material	FKM
Grip screw material	PVC
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Cable 4 x 0,25 mm <sup>2</sup> x 1,5 m ± 5 %; PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 bar

Standards
DIN EN 60947-5-1

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/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!</p>

Inductive loads
<div style="display: flex; justify-content: space-between;"> <div style="width: 24%;"> <p><b>Direct current</b></p>  <p>Suppression of voltage peaks with a free-wheeling diode</p> </div> <div style="width: 24%;"> <p><b>Alternating voltage</b></p>  <p>Suppression of voltage peaks with a VDR</p> </div> <div style="width: 24%;">  <p>Suppression of voltage peaks with an RC element</p> </div> <div style="width: 24%;">  </div> </div>

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