



Float Switch SV-13

Float switch in stainless steel with box



- Simple to install
- Rugged design
- Maintenance free
- Control elements: reed contacts
- Standardized and customer-specific designs

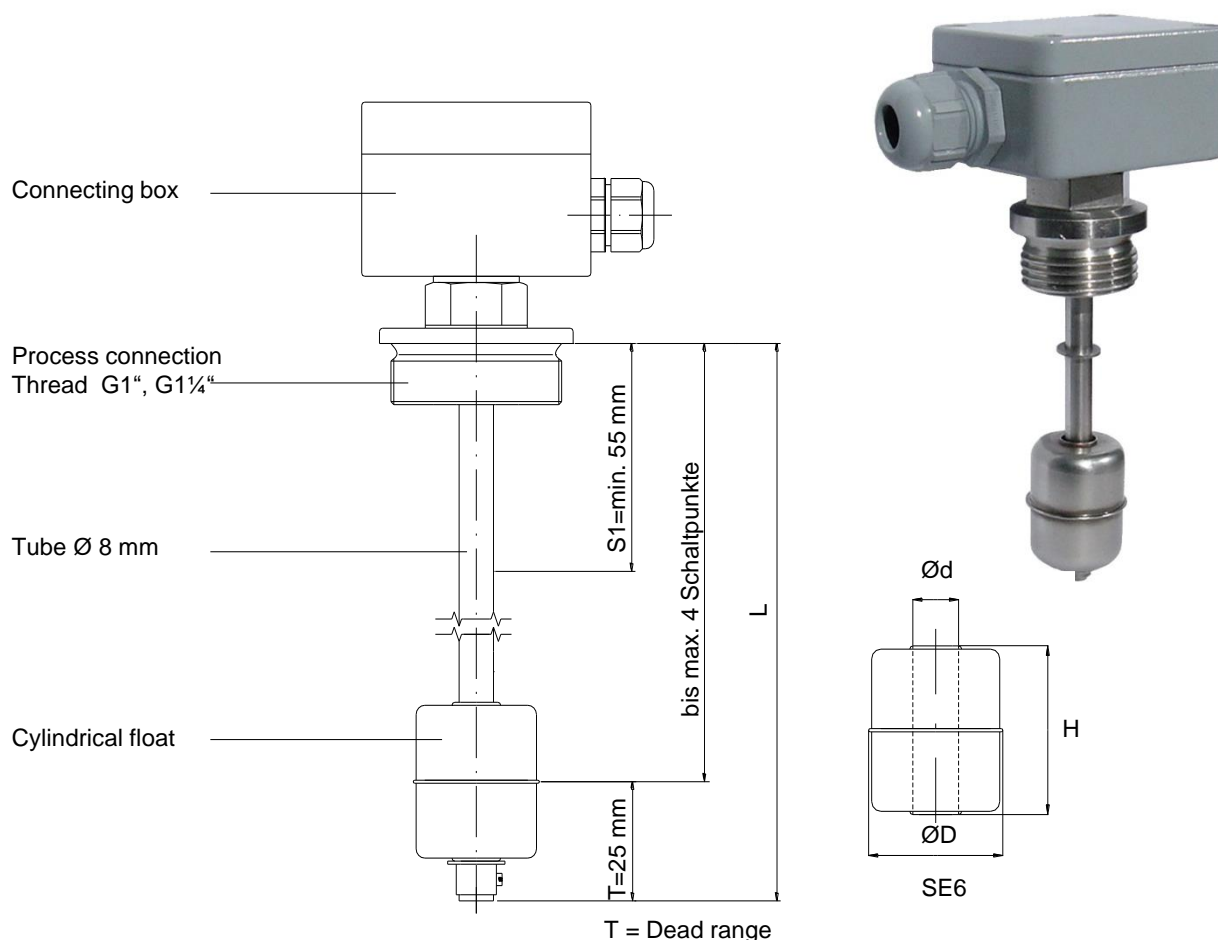


Schmidt Mess- und Regeltechnik

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Dimensions



Float type	Dimensions (mm)			max. operating pressure (MPa)	max. operating temperature (°C)	Medium density (kg/m ³)	Material
	Ø D	Ø d	H				
SE6 Cylindrical float	30	10	36	1,0	150	≥ 850	1.4571



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Areas of application

Float switches are based on the float principle with small reed contacts for every level to be monitored. They are suitable for level controlling and monitoring.

Float switches are suitable even for rough environments and are applicable in the following industries::

- plant engineering
- machine construction
- chemical industry
- Biochemical industry
- Petrochemical industry
- liquid natural gas
- off-shore
- power plants
- ship-building
- food industry
- pharmaceuticals etc.

Functional description

The magnetic field of a permanent magnet built into the float operates the reed contacts installed in the tube. The functions of the reed contacts are closer, opener or change-over switch.

Technical Data

Switching power	Opener / Closer: 100 V AC/DC; 0,5 A; 10 W/VA
	Change-over switch: 100 V AC/DC; 0,25 A; 5 W/VA
Switch function	Opener / closer / change-over switch with a rising liquid level
Switching points	Max. 4 switching points
Installation position	vertical, $\pm 30^\circ$
Medium density	$\geq 850 \text{ kg/m}^3$
Temperature	-30°C up to +80°C
Connecting box	Aluminum 75x80x57 mm Aluminum 58x64x36 mm Polycarbonate 80x82x55 mm
Protection	IP 66
Max. pressure	1.0 MPa
Tube length L	Standard: up to 1000 mm
Process connection	Standard: G1", G1¼", Other types on request



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Product overview / Order table

SV-13

Connecting box

- A Aluminum case 75x80x57 mm, IP66
- B Aluminum case 58x64x36 mm, IP66
- C Polycarbonate case 80x82x55 mm, IP66

Process connection (installation vertical, ±30°)

- A Fixing screw thread G1", 1.4571
- B Fixing screw thread G1¼", 1.4571
- X Other types on request

Tube length L (see dimensioned diagram), Tube in 1.4571

- Tube length from sealing face of process connection
- Tube length $L \leq 1000$ mm
- Dimensions in mm

Float types

- Z SE6 (cylindrical float Ø30 in 1.4571)

Temperature range

- N -30°C up to +80°C
- H -30°C up to +150°C

Switch point number

(see dimensioned diagram)

Switch function

(with a rising liquid level)

- O Opener
- S Closer
- U Change-over switch

Switch position

Switch position from sealing face of Process connection in mm

SV-13							
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S1		
S2		

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