



Float Switch SV-14

Miniature float switch made of stainless steel with cable connection



F-EN-SV14-20181009

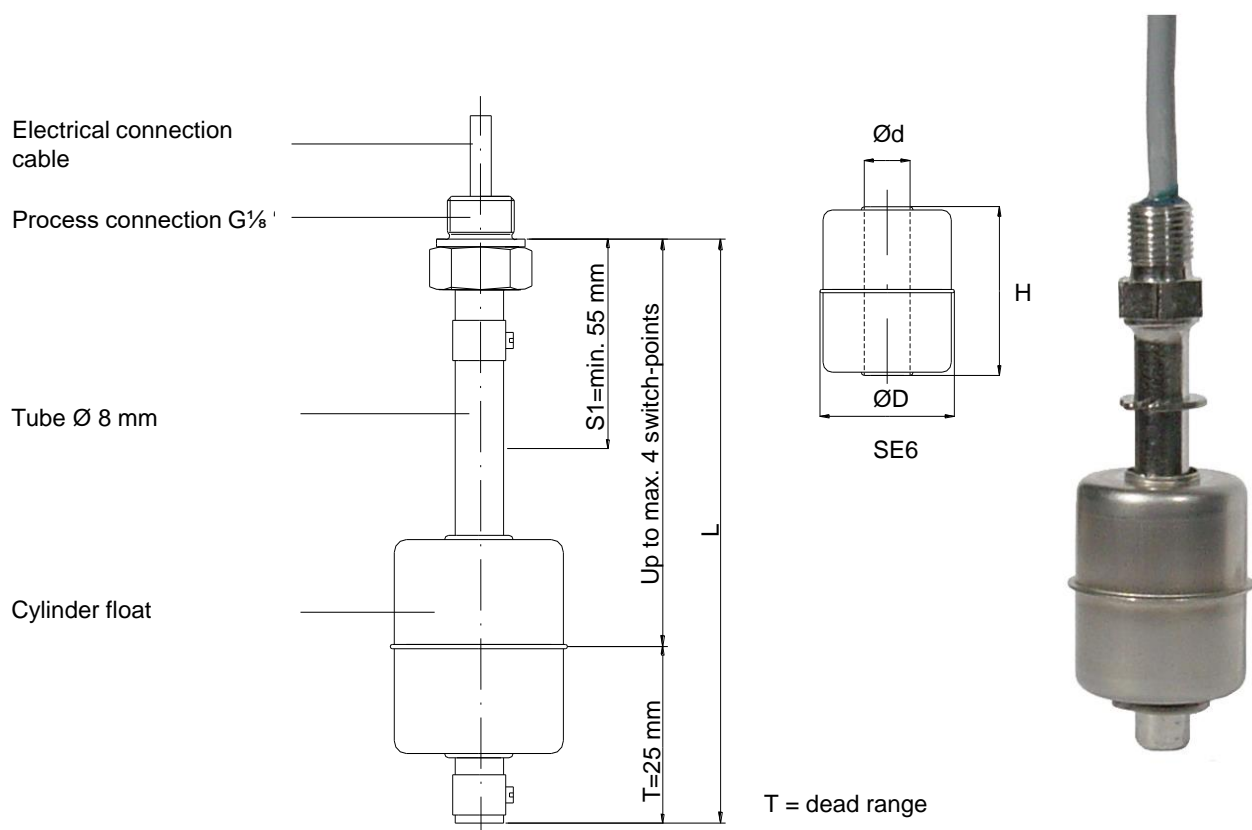
- Robust design
- Maintenance-free
- Reed switch as a switching element
- Optional customized versions



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Dimensions



Type of float	Dimensions (mm)			Operating pressure max. (MPa)	Operating temperature max. (°C)	Medium density (kg/m ³)	Material
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SE6 Cylinder float	30	10	36	1,0	150	\geq 850	1.4571

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Applications

Float switch versions are used for reliable and accurate level monitoring and level indication of liquids.

Due to their robust and maintenance-free construction, they are suitable for almost all liquids and can i.a. be used in the following industrial sectors:

- Plant construction
- Machine construction
- Chemistry
- Power plants
- Biochemistry
- Natural gas
- Pharmaceutical industry
- Offshore
- Energy systems
- Ship building
- Petro chemistry
- Food industry

Function

A permanent magnet installed in the float actuates the reed switch installed in the pipe due to its magnetic field.

The operation of the reed switch by the permanent magnet is completely wear-free and contactless. The reed switch functions are: NO, NC or changeover.

Technical Data	
Switching capacity	Normally closed contact (NC) / Normally open contact (NO): 100 V AC/DC; 0,5 A; 10 W/VA
	Change over: 100 V AC/DC; 0,25 A; 5 W/VA
Switching function	NC / NO / Change over with increasing liquid level
Switching points	Max. 4 switching points
Mounting position	Vertical, $\pm 30^\circ$
Medium density	$\geq 850 \text{ kg/m}^3$
Temperature	-30°C to +150°C
Protection class	IP 54
Pressure max.	1.0 MPa
Tube length L	Standard: up to 1000 mm
Process connection	Standard: G $\frac{1}{8}$ ", other versions on request



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Ordering Information

SV-14

Process connection (mounting position vertical, ±30°)

A Fastening screw thread G 1/8", 1.4571

X other versions on request

Tube length L (see Dimensions), Tube material 1.4571

Tube length from sealing surface process connection

Tube length $L \leq 1000$ mm
in mm

Float types

Z SE3 (Cylinder float Ø30, material 1.4571)

Temperature range

N -30° to +80°C

H -30°C to +150°C

Number of switching points

(see Dimensions)

Cable length

in m

Switching function

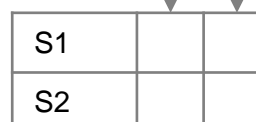
Switching function with increasing liquid level

O Normally closed contact NC

S Normally open contact NO

U Change over contact

Switching position from sealing surface
process connection
in mm



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