



Float Switch for Industrial Applications SV 12

Float switch made of stainless steel with plug connector



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

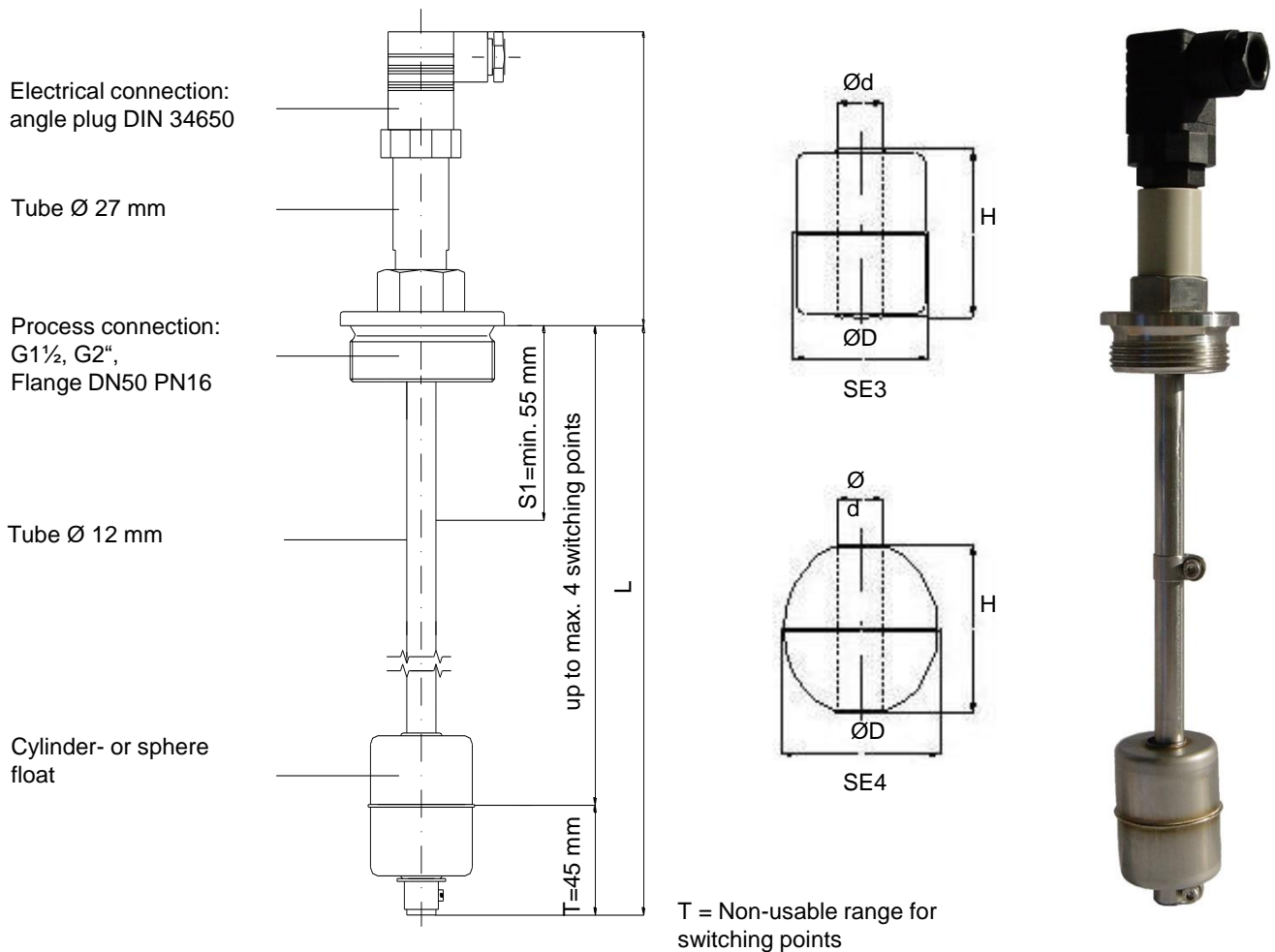
D-EN-SV12-20190424



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Dimensions



Float	Dimensions (mm)			Operating pressure max. (MPa)	Operating temperature max. (°C)	Density (kg/m ³)	Material
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SE3 cylinder	44	15	52	1,6	100	≥ 750	316 Ti
SE4 sphere	52	15	52	4,0	100	≥ 750	316 Ti

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Application

The float switch SV 11 is used for reliable and accurate level monitoring and level indication of liquids. The stainless steel used is suitable for a multitude of media, such as, for example, oil, water, diesel and refrigerants.

Due to its robust and maintenance-free design, SV 11 can i.a. be used in the following industries:

- Plant construction
- Off-shore
- Mechanical engineering
- Energy plants
- Chemistry
- Power plants
- Biochemistry
- Shipbuilding
- Petrochemicals
- Food
- Natural gas industry
- Pharmacy etc.

Measuring principle

A permanent magnet built into the float triggers, with its magnetic field, the potential-free reed contacts built into the guide tube. The triggering of the reed contacts by the permanent magnet is contact-free and thus free from wear. Depending on customer wishes, the switching functions of normally open, normally closed or change-over can be realized for the defined liquid level.

Technical data

Switching power	Normally closed (NCC) / normally open contact (NOC): 230 V AC; 100 VA; 1 A AC 230 V DC; 50 W; 0,5 A DC
	Change over contact (SPDT): 230 V AC; 40 VA; 1 A AC 230 V DC; 20 W; 0,5 A DC
Switching function	NCC, NOC, SPDT on rising level
Switching points	Up to 4 switching points. >4 switching points on request.
Plug connector output	Angle plug DIN 43650; other versions on request
Mounting position	Vertical, $\pm 30^\circ$
Medium density	$\geq 750 \text{ kg/m}^3$
Temperature	-30°C up to +100°C
Protection	IP 65
Operating pressure max.	4.0 MPa
Length of the tube L	Standard: up to 6000 mm, >6000 mm on request
Process connection	Standard: G $\frac{1}{2}$ ", G2", Flange DN50 PN16; other versions on request

Important instructions!

Technical changes and errors reserved.
Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.



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Ordering information

SV-12

Electrical connection

- A Angle plug DIN 43650, Protection IP 65
- X Other versions on request

Process connections (install vertically, $\pm 30^\circ$)

- A Process connection G $\frac{3}{8}$ ", 316 Ti
- B Process connection G $\frac{1}{2}$ ", 316 Ti
- C Process connection G $1\frac{1}{2}$ ", 316 Ti
- D Process connection G 2", 316 Ti
- E Flange DIN 2527, Form B, DN50 PN16, 316 Ti

Tube length L, Tube material 316 Ti

Tube length from sealing surface process connection
 Length of tube $L \leq 6000$ mm; $L > 6000$ mm on request
 Indication in mm

Float types

- Z SE3 (cylinder $\varnothing 44$, 316 Ti)
- K SE4 (sphere $\varnothing 52$, 316 Ti)
- X other versions on request

Number of switching points (see Dimensions)

Switching function

- on rising level
- O normally closed (NCC)
- S normally open (NOC)
- U Change over

Position of switching point from sealing surface process connection
 Indication in mm

SV-12					
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S1		
S2		

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