



## Float Switch for Industrial Applications SV 15

Float switch made of stainless steel, adjustable, with cable outlet



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

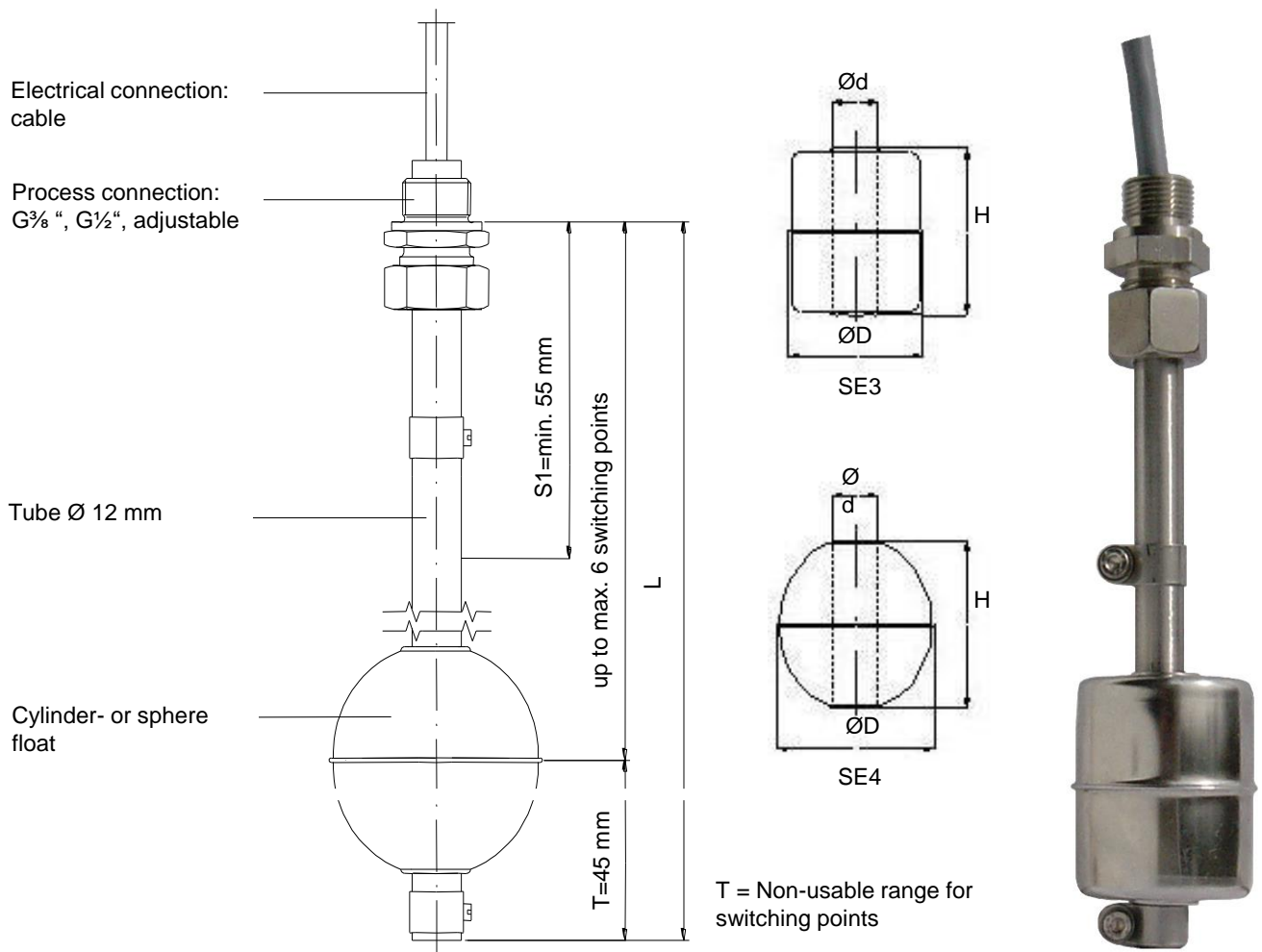
D-EN-SV15-20190424



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### Dimensions



Float	Dimensions (mm)			Operating pressure max. (MPa)	Operating temperature max. (°C)	Density (kg/m <sup>3</sup> )	Material
	Ø D	Ø d	H				
SE3 cylinder	44	15	52	1,6	150	≥ 750	316 Ti
SE4 sphere	52	15	52	4,0	150	≥ 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

<b>Switching power</b>	<b>Normally closed (NCC) / normally open contact (NOC):</b> 230 V AC; 100 VA; 1 A AC 230 V DC; 50 W; 0,5 A DC
	<b>Change over contact (SPDT):</b> 230 V AC; 40 VA; 1 A AC 230 V DC; 20 W; 0,5 A DC
<b>Switching function</b>	NCC, NOC, SPDT on rising level
<b>Mounting position</b>	Vertical, $\pm 30^\circ$
<b>Medium density</b>	$\geq 750 \text{ kg/m}^3$
<b>Temperature</b>	-30°C up to +150°C
<b>Operating pressure max.</b>	4.0 MPa
<b>Length of the tube L</b>	Standard: up to 1500 mm, >1500 mm on request
<b>Process connection</b>	Standard: G $\frac{3}{8}$ " , G $\frac{1}{2}$ " , 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](http://www.schmidt-messtechnik.com).



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### Ordering information

#### SV-15

#### Process connections (install vertically, ±30%°)

- A Process connection G 3/8", 316 Ti
- B Process connection G 1/2", 316 Ti
- X Other versions on request

#### Tube length L, Tube material 316 Ti

Tube length from sealing surface process connection  
 Length of tube  $L \leq 1500$  mm;  $L > 1500$  mm on request  
 Indication in mm

#### Float types

- Z SE3 (cylinder Ø44, 316 Ti)
- K SE4 (sphere Ø52 316 Ti)
- X other versions on request

#### Temperature range

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

#### Number of switching points

(see Dimensions)

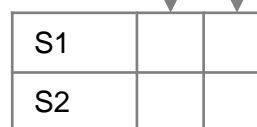
#### Length of cable

Indication in m

#### 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



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