



Float Switch for Industrial Applications SH 33

Float switch made of PP, angled, with cable output



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

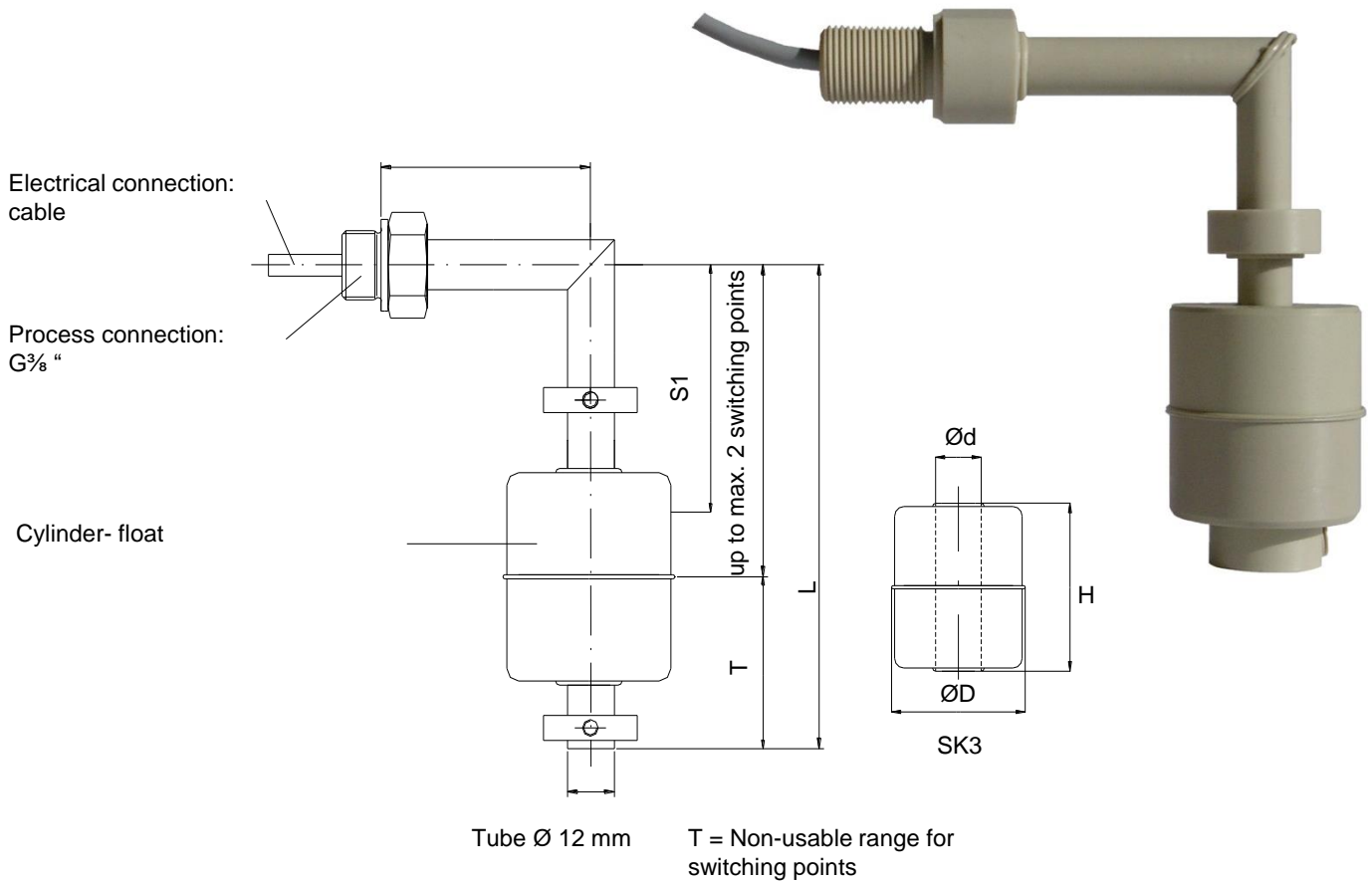
D-EN-SH33-20190424



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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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SK3 cylinder	44	14	45	0.3	80	≥ 600	PP

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Application

The float switch SH 33 is used for reliable and accurate level monitoring and level indication of liquids. The SH 33 float switch has been developed for measuring the levels of aggressive and corrosive media, such as acids and bases.

Due to its robust and maintenance-free design, SH 33 can i.a. 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	Max. 2 switching points
Mounting position	Vertical, $\pm 30^\circ$
Medium density	$\geq 600 \text{ kg/m}^3$
Temperature	-10°C up to +80°C
Protection	IP 54
Operating pressure max.	0.3 MPa
Length of the tube L	Standard: up to 500 mm
Process connection	Standard: G $\frac{3}{8}$ " , G $\frac{1}{2}$ " other versions on request
Material	PP, other materials such as e.g. PVC, PVDF etc. 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

SH-33

Process connections (install vertically, ±30°)

A Process connection G 3/8", PP
 X Other versions on request

Tube length L, Tube material PP
 Indication in mm

Float types

A SK3 (cylinder Ø44, material PP)
 X other versions on request

Number of switching points

Max. 2 switching points
 (see Dimensions)

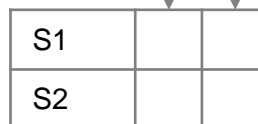
Length of cable

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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