

# HSFB Series

The ultimate solution for demanding level control. Multi-function level switches in custom lengths, delivering outstanding flexibility.

- Impact resistant terminal box, IP67
- Universal mounting, G1" & flange
- Selectable switch point lengths and contact functions\*



Sensors with REED technology without power consumption, manufactured with the highest quality in our ISO-certified factory in Roslagen, Sweden.

#### General description:

HSFB. The float level switches are available with up to four functions in the same unit. It can also be combined with a built-in temperature sensor or overtemperature protection. Suitable for most kinds of liquids.



#### Construction:

Terminal box with waterproof screw lid, protection class IP67.

Terminals with spring-loaded connection for mounting your own cable.

G1" threaded connection and flange provide two options for mounting.

Probe in SUS-316, floats in NBR.



\* We manufacture the sensor in desired lengths. Specify switch points length (mm) and contact function when ordering.

**O** : NO, open at low level, closes rising

**S** : NC, closed at low level, opens rising

**V** : NO/NC, change-over

**T** : Overtemperature protection. NC, opens rising at 70°C ±5

#### Options, special on request:

Overtemperature protection with other switching temperature.

Built-in temperature sensor Pt100 or Pt1000.



Made in Sweden



## Liquid level switch

S=..... mm O=..... mm

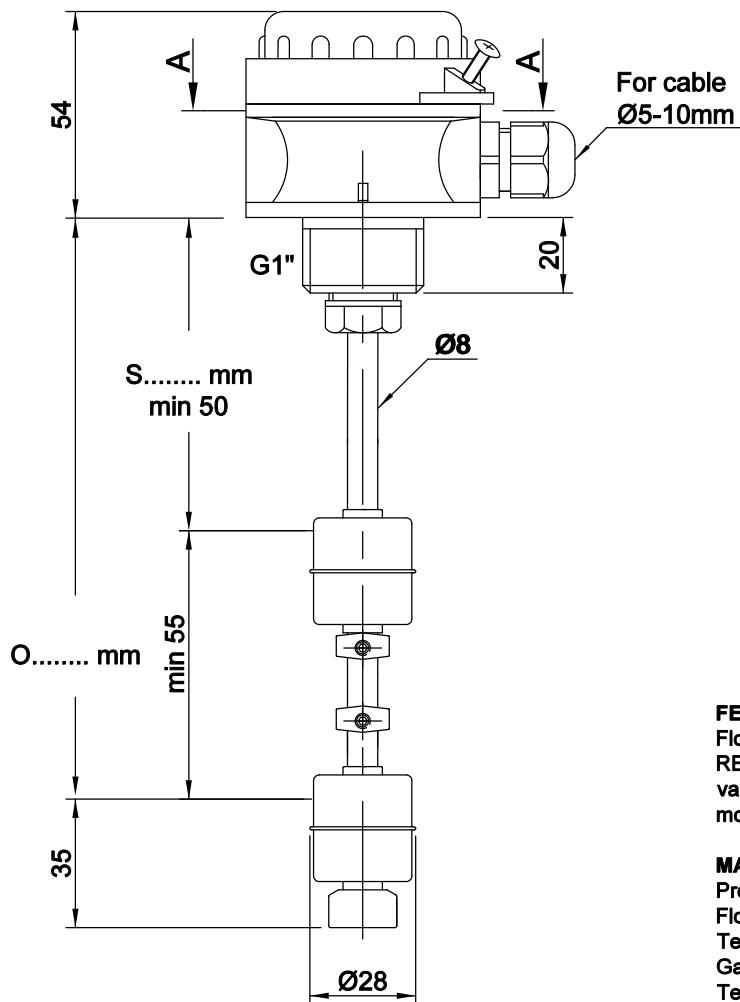
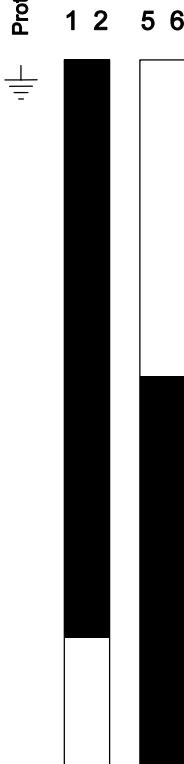
Art.nr.  
HSFB-SODrawing nr.  
HSFB-SORev.  
3Approved  
P.L. 140627

Scale

1:2

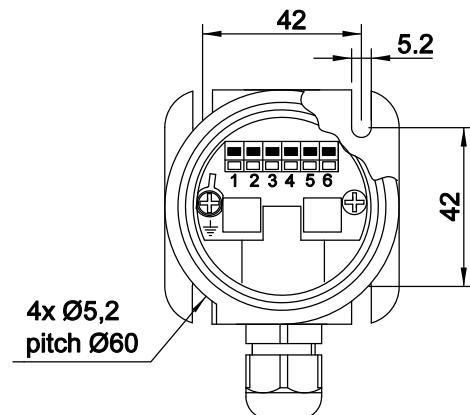
Date  
140627Sign.  
MEMRev. date  
251201Note! Read this  
instruction before  
installation and use

Protective earth



■ = Switch closed

□ = Switch open



Section A-A

## FEATURES

Float liquid level sensor with REED-technology to activate pumps or valves via relays or PLC. Suitable for most kinds of liquids.

## MATERIALS

Probe : SUS-316  
Float : SUS-316, S.G. 0,7  
Terminal box : Polyamid 6  
Gasket : Nitrile  
Temp. media : -20...+100°C  
Temp. ambient : -20...+70°C  
For use 0-5000m above MSL

## CONTACT SYMBOLS

O = means NO low, NC going upwards  
S = means NC low, NO going upwards

## PROTECTION DEGREE

Terminal box : IP67  
Probe : IP68

## ELECTRICAL MAX DATA

Contact rating *	70 VA
Voltage	3-230 V AC/DC DC to 60Hz
Current	1 A

\* = resistive load

**WARNING!** If no protective earth is connected to the sensor, the supply voltage must not exceed 48V AC/DC