



# HMFB 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\*



HM 2511

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

## General description:

HMFB. The float level switches are available with up to five functions in the same unit. It can also be combined with a built-in temperature sensor or overtemperature protection. Suitable for oil and other non aggressive 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 brass, 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

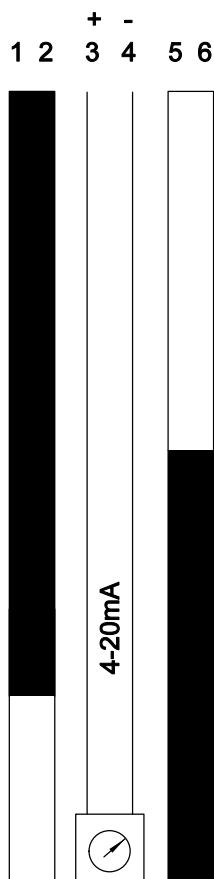
## Options, special on request:

Overtemperature protection with other switching temperature and smaller hysteresis.

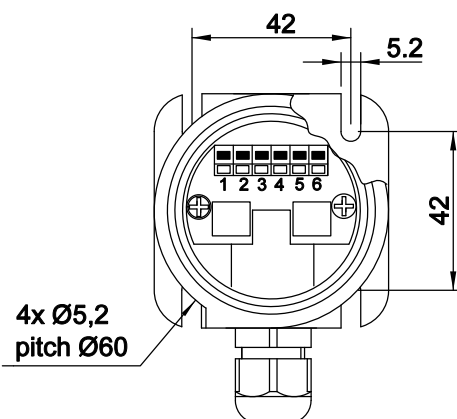
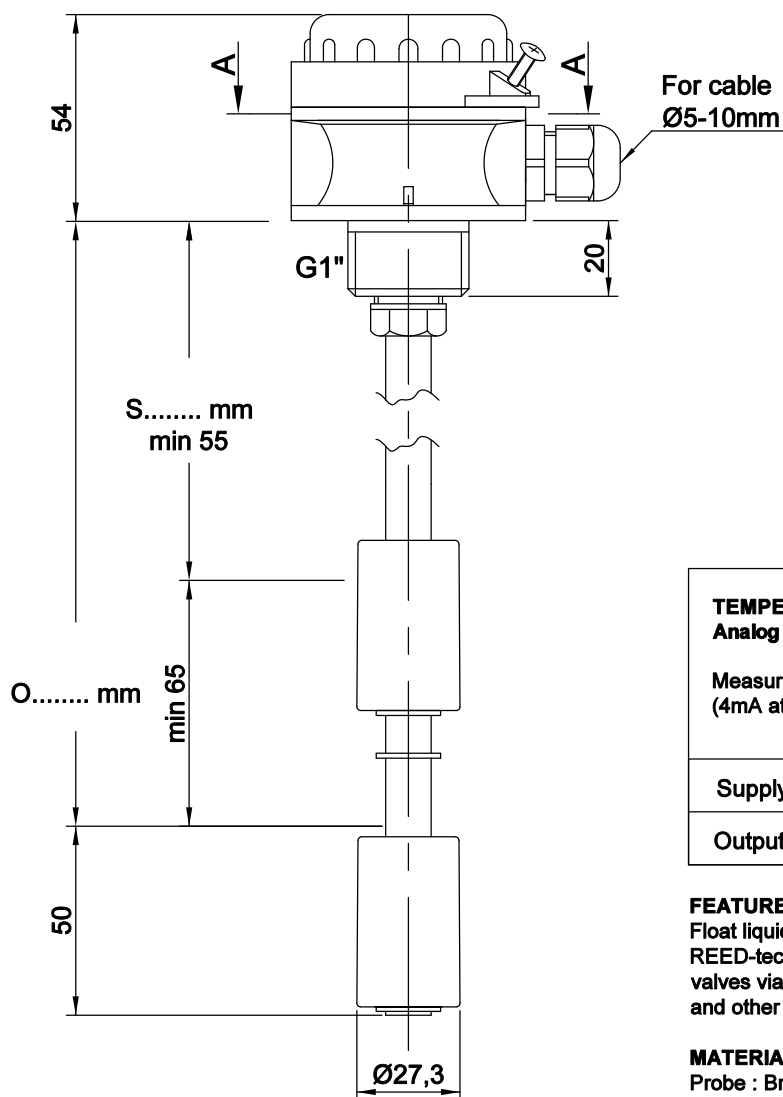
Built-in temperature sensor Pt100, Pt1000, 4-20mA and 0-10V.



Note! Read this  
instruction before  
installation and use



■ = Switch closed  
□ = Switch open



Section A-A

**TEMPERATURE SENSOR**  
Analog output 4-20mA, 2-wire loop

Measuring range: -20°C....+100°C  
(4mA at -20°C, 20mA at +100°C)

Supply voltage	10-30VDC
Output	4-20mA

**FEATURES**

Float liquid level sensor with  
REED-technology to activate pumps or  
valves via relays or PLC. Suitable for oil  
and other non aggressive liquids

**MATERIALS**

Probe : Brass  
Float : NBR, S.G. 0,42  
Terminal box : Polyamid 6  
Gasket : Nitrile  
Temp. media : -20...+100°C  
Temp. ambient : -20...+70°C

**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 (LEVEL)**

Contact rating *	70 VA
Voltage	3-48 VAC/DC
Current	1,5 A

\* = resistive load