



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

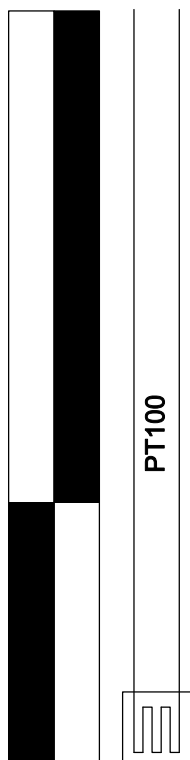
Options, special on request:

Overtemperature protection with other switching temperature and smaller hysteresis.

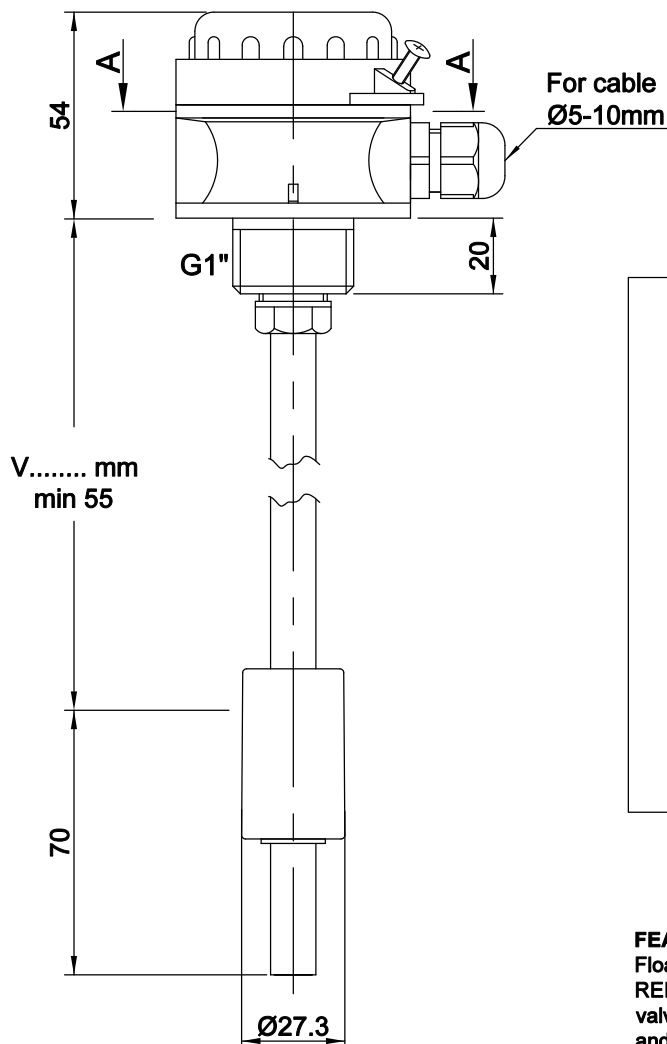
Built-in temperature sensor Pt100, Pt1000, 4-20mA and 0-10V.



2 1 3 5 6



PT100



TEMPERATURE SENSOR PT 100 DIN60751 B

-20°C	92,1 ohm
-10°C	96,1 ohm
0°C	100,0 ohm
10°C	103,9 ohm
20°C	107,7 ohm
30°C	111,6 ohm
40°C	115,5 ohm
50°C	119,3 ohm
60°C	123,2 ohm
70°C	127,0 ohm
80°C	130,8 ohm
90°C	134,7 ohm
100°C	138,5 ohm

Pt100. Use 3- or 4-wire connection for compensate lead resistance. Gives higher accuracy and is recommended when using long cables.

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

V = means change over

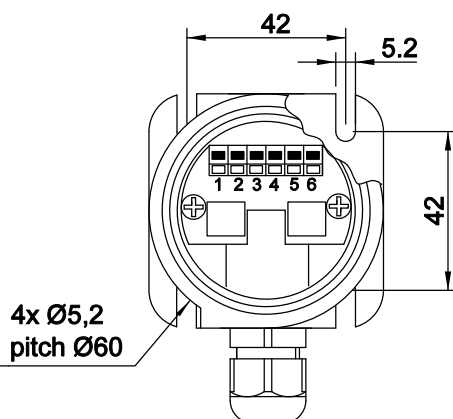
PROTECTION DEGREE

Terminal box : IP67
Probe : IP68

ELECTRICAL MAX DATA

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

* = resistive load



Section A-A