

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*



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.



Made in Sweden



Liquid level switch

O=..... mm

Art.nr.
HMFB-OTDrawing nr.
HMFB-OTRev.
5Approved
P.L. 930519Scale
1:2

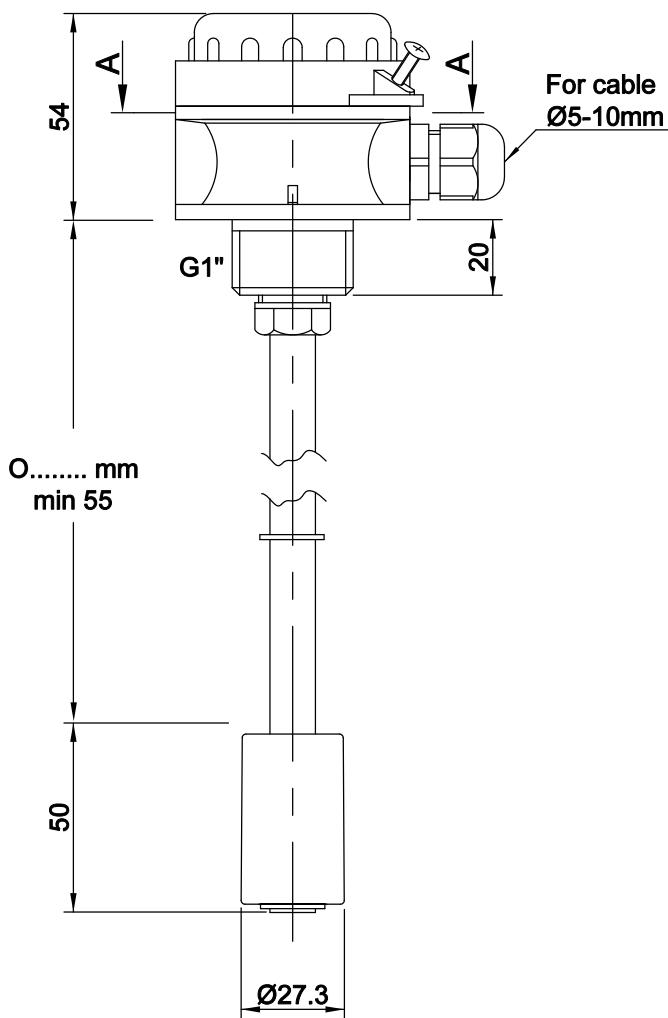
T=70°C

Date
920826Sign.
MEMRev. date
251114Note! Read this
instruction before
installation and use

Protective earth

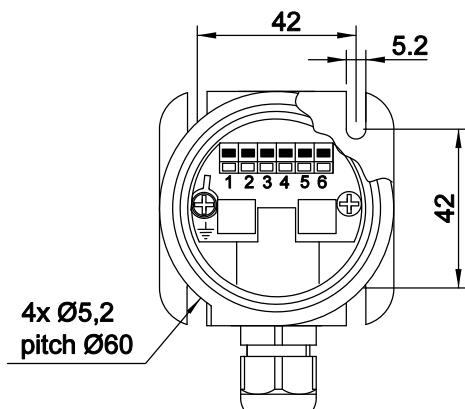
1 2 3 4

Opens above 70°C



■ = 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 oil and other non aggressive liquids

MATERIALS

Stem : Brass
Float : NBR, S.G. 0,42
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

TEMPERATURE SWITCH

Built in over-temperature protection std. T (T70). NC, open above 70°C ±5 (restet at approx 50°C)

PROTECTION DEGREE

Terminal box : IP67
Stem : 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