

# HEMOMATIK Sweden

Liquid level switch

Art.nr. HMFB-00

O=..... mm

Drawing nr. HMFB-00

Rev. 3

Approved P.L. 930611

Scale 1:2

O=..... mm

Date 920827

Sign. MEM

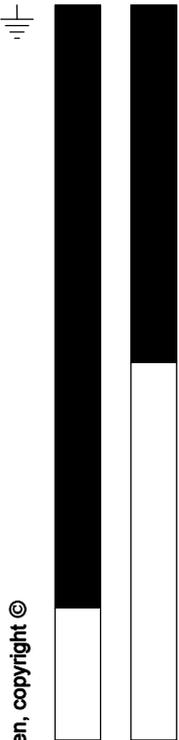
For switchpoints .....mm, see label

Rev. date 171018



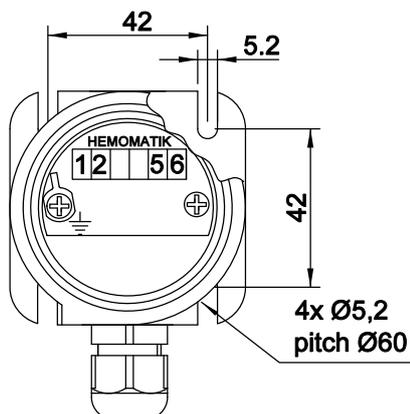
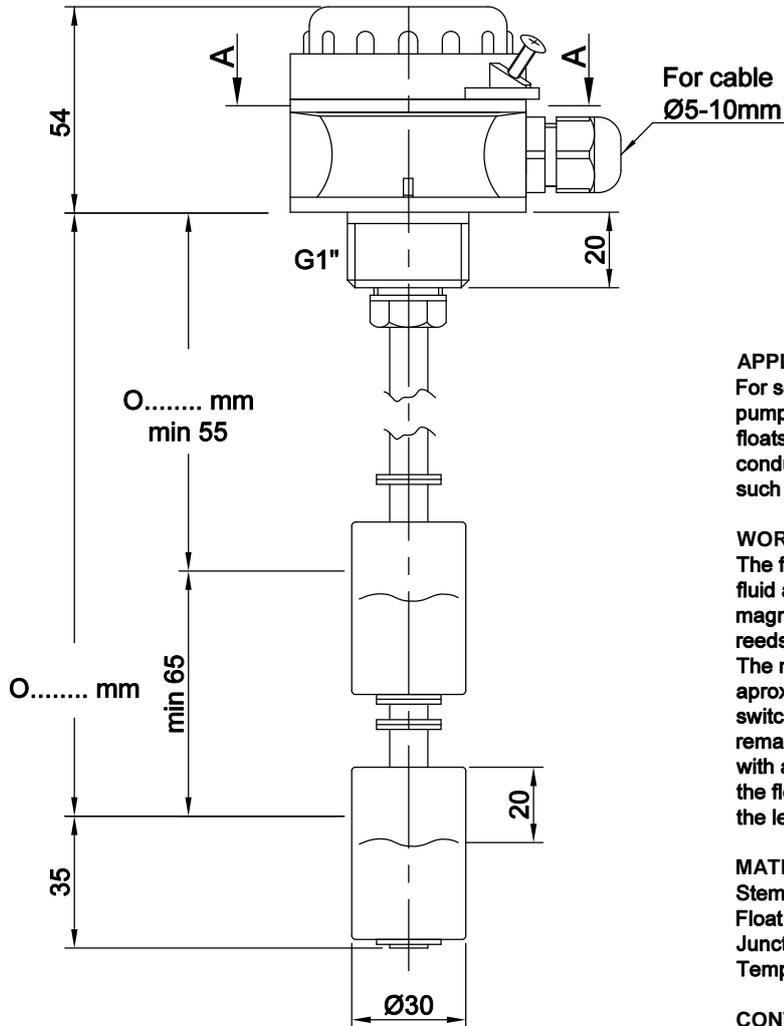
Ground

1 2 5 6



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■ = Switch closed  
□ = Switch open



Section A-A

### APPLICATION

For sensing off liquid levels to activate pumps or valves via relays or PCs, a floatswitch works equally well with conductive as with non-conductive fluids such as oils.

### WORKING PRINCIPLE

The float contains a magnet. It follows the fluid along the stem. The stem is a non magnetic material with 1 to 5 built-in reedswitches. The magnet activates each reedswitch for approx. 10 mm. This is called a passing switch. To assure that the contact status remains unchanged the stem is provided with a stop ring below respectively above the level is rising or falling.

### MATERIALS

Stem : Brass  
Float : Buna-N (nitrofuel)  
Junction box : Polyamid 6  
Temp. max : Oil +100°C

### CONTACT SYMBOLS

S = means NC low, NO going upwards  
O = means NO low, NC going upwards  
V = change over

### PROTECTION DEGREE

Junction box : IP67  
Stem : IP68

### ELECTRICAL DATA

Contact rating *	80 VA
max voltage	250 V
max current	1,3 A

\* = resistive load  
No ground = max 50 V

Note. Above values are for resistive loads. Mechanical life is 30 millions. Use series resistor for lamp load, or other suitable protection for inductive loads if the rating is higher than 1/10 of the values above.