

**HEMOMATIK**  
Sweden

Liquid level switch

Art.nr.  
HMCK-00

O=..... mm, O=..... mm

Drawing nr.  
HMCK-00

Rev.

Approved P.L 041208

Scale 1:2

Date  
021104

Slgn.  
MEM

For switchpoints .....mm, see label

Rev. date



**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 aprox. 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 float. This allows to determine whether the level is rising or falling.

**We have chosen to define the contact status with empty tank and with the thread mounted in the upwards position.**

**MATERIALS**

Stem : Brass  
Float : BUNA-N (nitrofuel)  
Fitting : Brass  
Flange : PA6  
Gasket : NBR  
Terminalbox : Al  
Temp. max : Oil +100°C, Water +80°C

**CONTACT SYMBOLS**

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

**ELECTRICAL DATA**

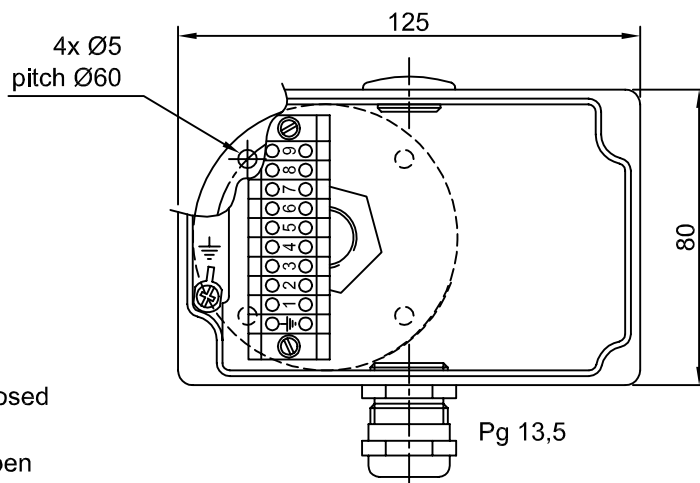
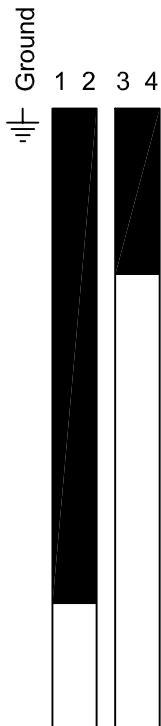
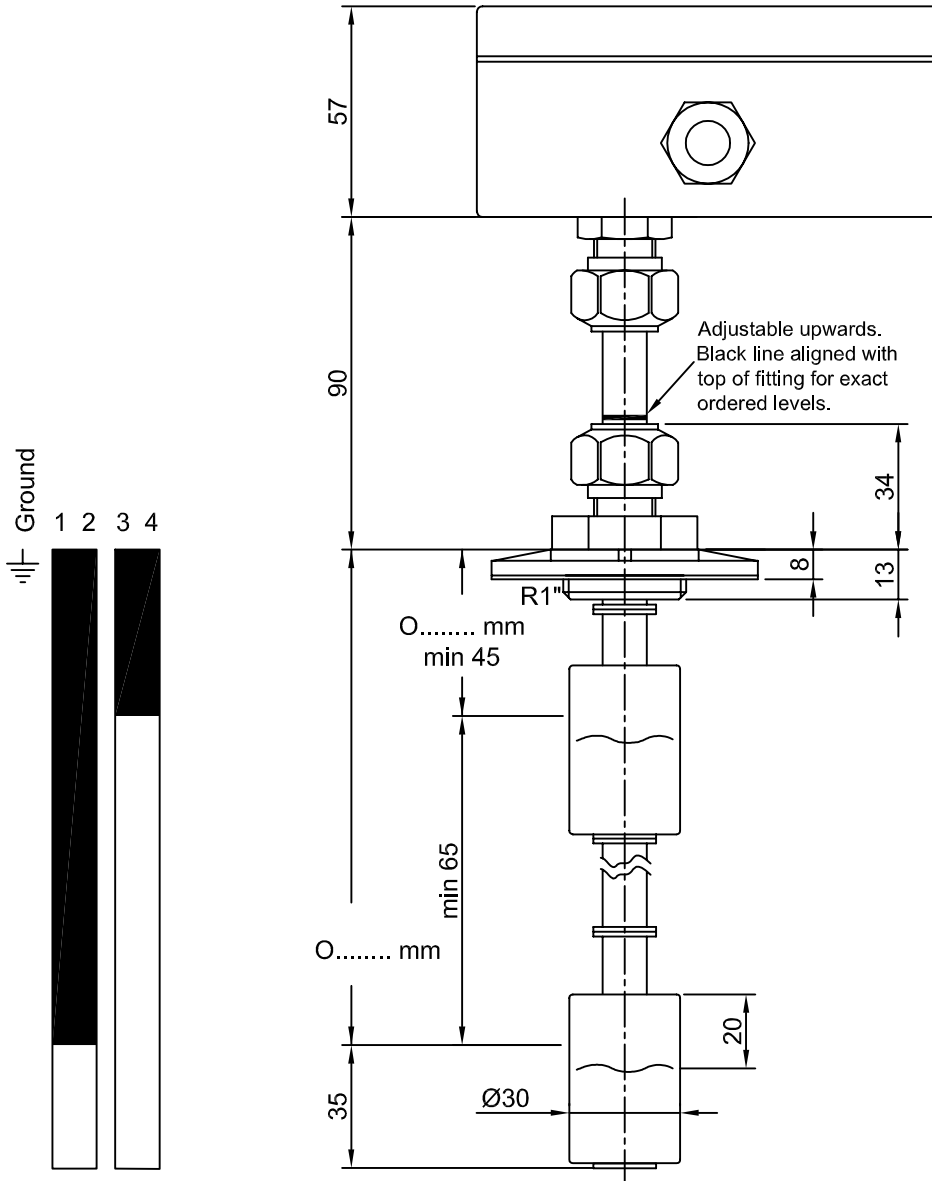
Switch	Level
Contact rating *	80 VA
max voltage	250 V
max current	1,3 A

\* = 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.



■ = Switch closed  
□ = Switch open