

# HEMOMATIK

Sweden

Liquid level switch

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

Art.nr.

HMC1/2-00

Drawing nr.

HMC12-00

Rev.

0

Approved

P.L.120119

Scale

1:2

Date

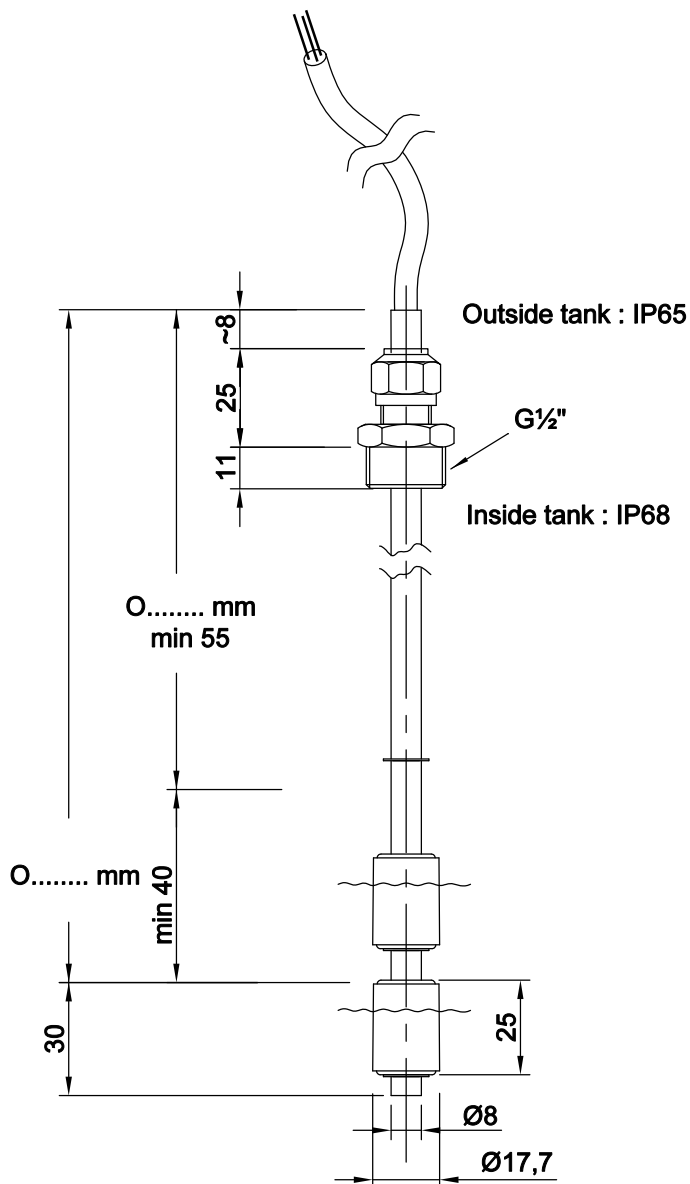
120119

Sign.

MEM

Rev. date

black  
blue (common)  
brown



## 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

Cable : 2m / PVC 2x 0.34mm<sup>2</sup>

Temp. max : Oil +100°C

## CONTACT SYMBOLS

S = means NC low, NO going upwards

O = means NO low, NC going upwards

## INSTALLATION

Compression fitting is included as a separate part.

By installation put the compression fitting onto the stem with the thread pointing in the direction you choose for your application. Decide and adjust level, once the nut is tightened the compression ring is firm on the stem.

## ELECTRICAL DATA

Contact rating *	40 VA
max voltage	3-48V
max current	1 A

\* = resistive load

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.

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■ = Switch closed

□ = Switch open