

# HEMOMATIK

## Sweden

Level switch + PT100

Art.nr. HSC1/2-O220PT100-HFM-5M

HFM, Halogen Free Marine Cable

Drawing nr.  
See above

Rev.

Approved J.W.190226

Scale 1:2

Date 180516

Sign. MEM

Rev. date

SHIPFLEX cable marked NIVAKT KABL330HFM approved to LRS and UL Listed for use on ships and Off-shore. Booth in machine and outdoor. Separate datasheet available on request.

Stem and compression fitting in SUS316.

For inspection or test. Unloose the small fitting on top, lift stem, put it back and re-tighten

Outside tank : IP65

Decide and adjust level, once the nut is tightened the compression ring is firm on the stem.

Black line on stem shows position for ordered level

Inside tank : IP68

### 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. 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 : SUS-316  
Float : BUNA-N (Nitrofuel)  
Fitting : SUS-316  
Temp. max : Oil +100°C  
Cable : 5m / HFM, HALOGEN FREE  
DIN47100, LIYY 5x 0.25mm<sup>2</sup>  
Potting : Pur  
Gasket for G1/2" : Viton

### TEMPERATURE SENSOR

PT 100 Sensor according to DIN60751 class B

### CONTACT SYMBOLS

S = means NC low, NO going upwards  
O = means NO low, NC going upwards

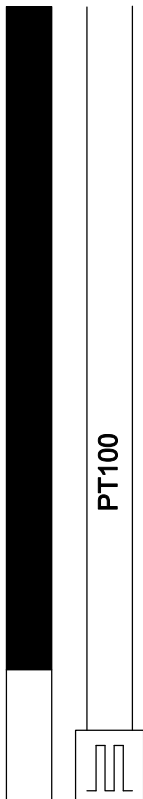
### ELECTRICAL DATA

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.

White  
Brown  
Green  
Yellow



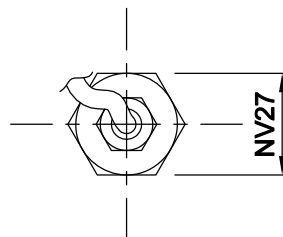
O=220 mm

35

25

Ø17,7

NV27



= Switch closed

= Switch open