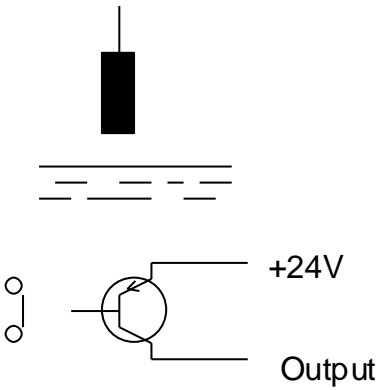
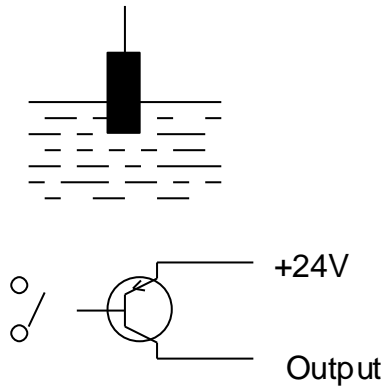


Capacitance Level Sensor for two levels V-25-80/120

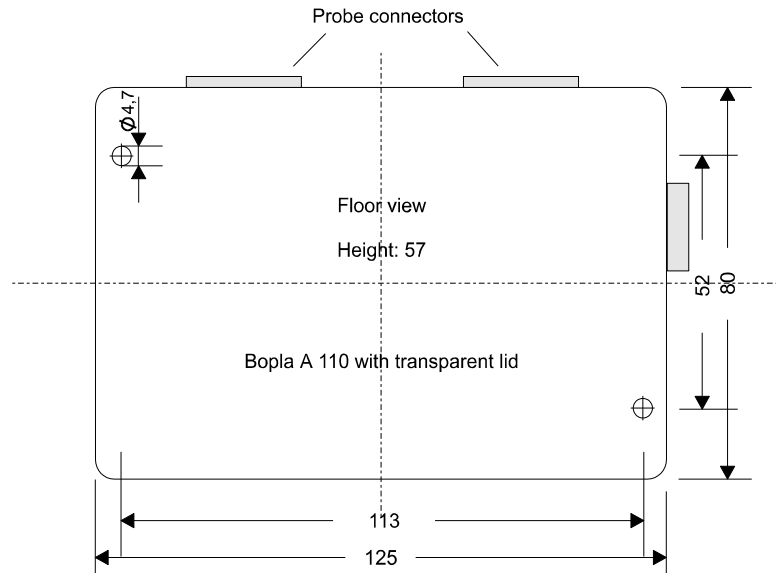


Level control for:

- waxes
- paints
- hot-melt adhesives
- chemicals

Type	V-25-80/120	
Technical data		
Nominal voltage	15-30V/DC	
Nominal current	40 mA	
Switching frequency	≤ 5 Hz	
Output current	max. 1A, short circuit proof	
Pin arrangement	4-pin connector Pin 1 = + 24V/DC white Pin 2 = PNP - output, probe 2 – safety level brown Pin 3 = GND - reference potential green Pin 4 = PNP - output, probe 1 – working level yellow screen and housing - ground	
Connecting cables	4 X 0,34mm ² + sreen / L=1m with plug	
Housing material	Aluminium	
Permissable ambient temperature	0°C to +80°C	
Type of protection	IP 64 / EN 40050	
Outputs (Outputs 1 and 2 have the same switching characteristics)		
LED-display	Probe 1: yellow LED flashes Probe 2: red LED out	Probe 1: green LED on Probe 2: red LED on
Type of probe	F3S...	

Dimensions:



Operating Manual:

Mounting Instructions

The pin configuration is to be strictly adhered to. The device is only to be operated with the voltage entered on the rating plane. Screened cables are to be used as connecting cables. The screening is to be singly earthed. The connecting cable is not to be laid parallel to the driving cables.

Operation

The capacitive level sensor reacts to solid and liquid materials in connection with the probes (F3S...) and a pertinent permittivity alteration takes place. Two levels can be simultaneously controlled by using two probes.

During setting, the connected probes must be free of the medium which is to be called up. The sensitivity of both probes can be regulated by potentiometers (see adjustment regulations). Should the device be defect, then the outputs can adopt any state.

Maintenance

The device is maintenance-free. Devices are only to be manufactured or overhauled by the manufacturer.

General

The pertinent EU and national regulations are to be taken into account during the mounting and operating of the capacitive level sensors, V-25-80/120. Our devices are of a high technical quality. We reserve the right to make technical alterations which are designed to meet technical progress.

Standards Met

EN 50081-1; EN 50081-2
EN 50082-1; EN 50082-2

EU Guidelines

89/336/EWG; 92/31/EWG; 93/68/EWG

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