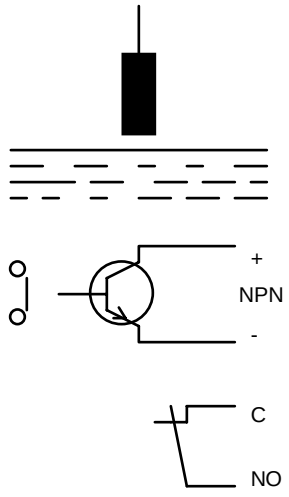
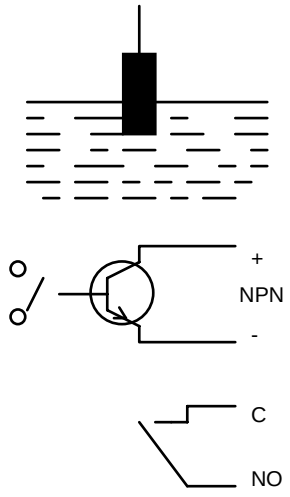
Capacitance Level Sensor
CNS-SV 25 T

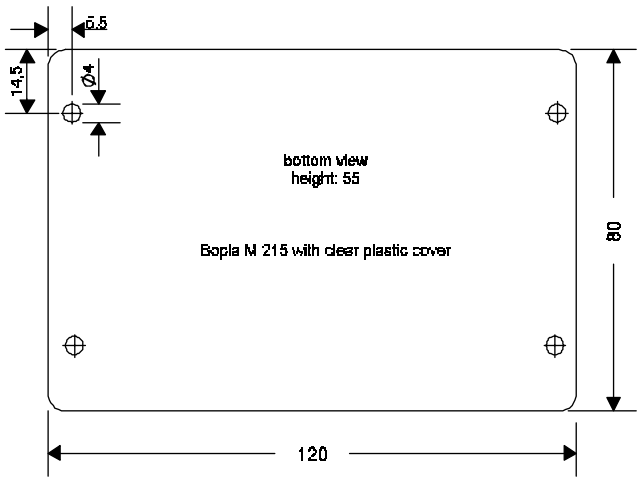
CE

Level control for:

- waxes
- granulates
- paints
- hot-melt adhesives
- chemicals

Type **Technical data:**	**CNS-SV 25T**	
Nominal voltage	Choice of 12-30V/DC or 110-250V/AC 50Hz	
Nominal current	30 mA	
Switched off delay	Variable from 0 to 5 seconds	
Output current	Relais: max. 3A (Ohmic Load), when switching inductive loads the use of noise suppressors recommended. Transistor: max.1A, short-circuit proof	
Pin arrangement	8 7 6 5 4 3 2 1 + NPN - C NO + - N L Transistor Relay 12-30V/DC 110-250V/AC	
Housing material	Makrolon	
Permissable ambient temperature	0°C to +80°C	
Type of protection	IP 53 / EN40050	
Outputs		
LED-display	**red** LED on **yellow** LED on	**green** LED on **yellow** LED on, as long as the delay time is completed.
Probe type	C...	

Dimensions:



Operating Manual

Mounting Instructions
The pin configuration is to be strictly observed. The appliance is only to be operated with the voltage entered on the rating plate. The glue receptacle and the screening of the connection lines are to be safety grounded. The probe- and connection lines are not to be laid parallel to the drive connections. The amplifier is not to be installed on machine components which are hot and subjected to strong temperature fluctuations. The probe distance to the vessel wall must amount at least 30mm. The influence of strong suction effect by cooling glue, can conduct to material fatigue and in extreme cases to probe destruction.

Function
The capacitive level sensor is provided for the detection of insulant, solid and non-conducting substances. The appliance evaluates the capacity modifications ΔC of the probe base capacity.

Adjustment/Operation
The adjustment of the appliance is simply to be seen as a tolerance compensation. Resulting from installation, filling media and the fabrication, tolerances are given, which are so compensated. The optimal shift-point is 10...30mm over the probe ground. On this point, the glue altitude is to be adjusted. The adjustment occurs, with the potentiometer (level), over the probe sensitivity, and must always be made with the effectively used filling media. *In direction of rotation to the right, the glue level increases. In direction of rotation to the left, the glue level decreases.* With the "time" potentiometer you can adjust the delay time between 0...5 sec. In the case of a possible defect of the appliance, the exit can take any condition on.

Maintenance
The appliance is maintenance free. Appliances are only to be repaired or touched up by the manufacturer.

General
With installation and operation of the capacitive level sensor, CNS-SV 25 T, the EU- and national regulations must be considered. Our appliances are on a high technical level. Modifications, which serve the technical progress, are reserved.

Met standards
EN 50081-1; EN 50081-2
EN 50082-1; EN 50082-2

EU-directives
89/336/EWG; 92/31/EWG; 93/68/EWG

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