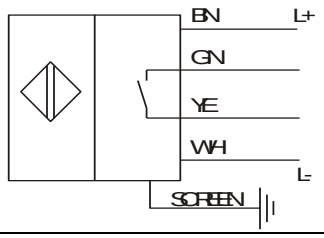
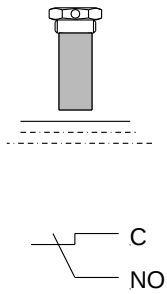
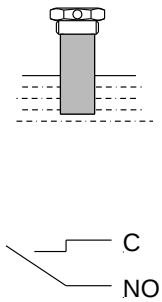
Capacitance Level Sensor
CNS-506L-I

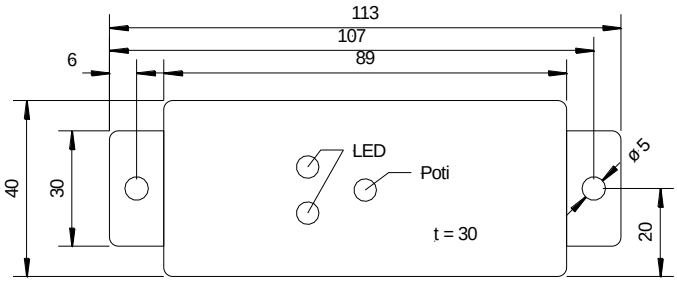
CE

Level control for:

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

Type **Technical data sensor amplifier**	**CNS-506L-I**	
Connectable probes	Type row: S…	
Operating voltage (U_B)	15-30V/DC	
Nominal current (I_0)	30 mA	
Frequency of operating cycles f	≤ 0.5 Hz	
Output voltage	≤ 60V/DC	
Output current	≤ 200 mA	
Connecting cables	4 X 0,25 mm² + screen / L = 5 m	
Pin arrangement BN - brown GN - green YE - yellow WH - white Screen and enclosure - ground		
Enclosure material	Aluminium	
Permitted ambient temperature	+10°C… +50°C	
Enclosure rating EN 60529	IP 65	
Output		
LED-display	**red** LED on	**green** LED on

Dimensions:



Unit: mm

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 metal tank 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 for example 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.
The output relay is open: (green LED)
If the power supply is not connected,
If the probe is not connected and if filling Level is reached (full).
The output relay is closed: (LED red)
If filling level is not reached (empty)

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 adjustment occurs, with the potentiometer, over the probe sensitivity, and must always be made with the effectively used filling media.
In direction of rotation to the right, the level increases. In direction of rotation to the left, the level decreases. 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 506L-I, 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 61000-6-1/-2
EN 61000-6-3/-4

EU-direktives
2004/108/EG

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