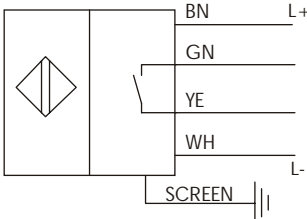
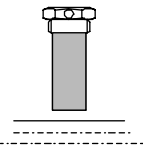
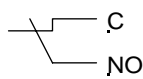
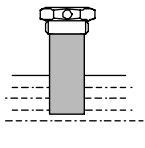
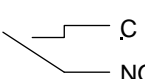


## Capacitance Level Sensor CNS-506

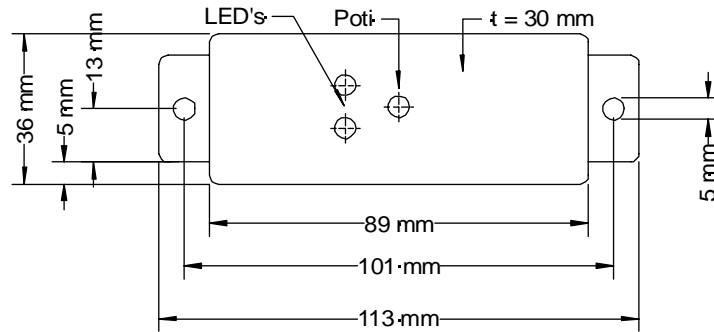


Level control for:

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

Type	CNS-506	
<b>Technical data</b>		
Nominal voltage	15-30V/DC	
Nominal current	30 mA	
Switching frequency	≤ 0.5 Hz	
Output voltage	max. 100V AC/DC	
Output current	max. 0.5A	
Connecting cables	4 X 0,25 mm <sup>2</sup> + screen / L = 2 m	
Pin arrangement		
BN - brown GN - green YE - yellow WH - white screen and housing - ground		
Housing material	Aluminium	
Permissible ambient temperature	+10°C to +50°C	
Type of protection	IP 65 / EN 40050	
Output	 	 
LED-display	<b>red</b> LED on	<b>green</b> LED on

## 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  $\Delta C$  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 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 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 506, 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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