

## Type SNG-UC

basic @ level

Level control unit with wide-range-power supply for conductive level probes

### Basic features

- ▶ Processor controlled unit
- ▶ Up to 4 level probes + ground probe
  - single limit
  - limit control
  - wire breakage protection
  - parameter switching
- ▶ Wide range power supply (universal voltage)
- ▶ PC-configurable (optional)
  - process-monitoring + documentation incl.

### Technical features

- ▶ Version: 22,5 mm top-hat rail housing
- ▶ Supply voltage : 24-250V (AC/DC)
- ▶ Protection class: IP 20
- ▶ Working temperature: -10°C up to +50°C
- ▶ Storage temperature: -20°C up to +70°C
- ▶ Inputs: 2 resp. 4 independent for electrodes
  - resp. fill level
  - 1 (Ground electrode resp. tank)
- ▶ Sensitivity:
  - 2 arrays 0,2 KΩ...9,9 KΩ/990 KΩ;
  - free selectable for electrode
- ▶ Outputs:
  - 2x relay-output (3A/230V)
  - (NO ; per software to NC)
  - 2x electronics-output 22...24V DC;
  - 35mA; PNP invertible
  - short-circuit current 10mA max.
- ▶ Time Delay: turn on-/off-delay
  - 0,0 to 99,9sec; free selectable
  - for each output

### Favoured fields of application are e.g:

- ▶ Low- / high alarm in containers
- ▶ Media registration in pipes as pump protection
- ▶ Filling / emptying of tanks with level control



### Accessories (optional)

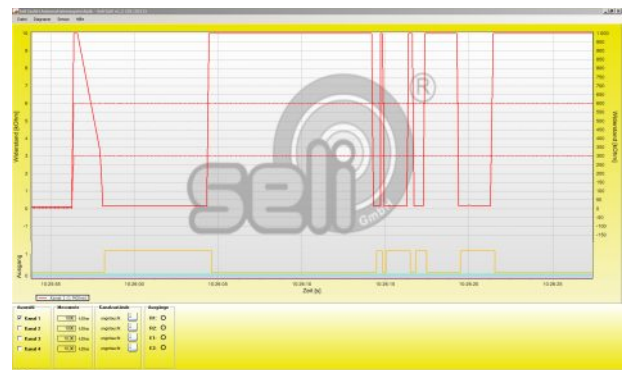


SMW-PA



SNG-PA

Visualization via PC-USB interface incl. software for readout, parametrization and documentation

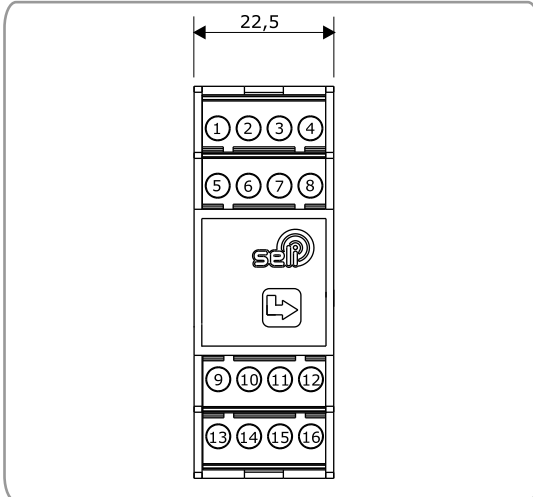


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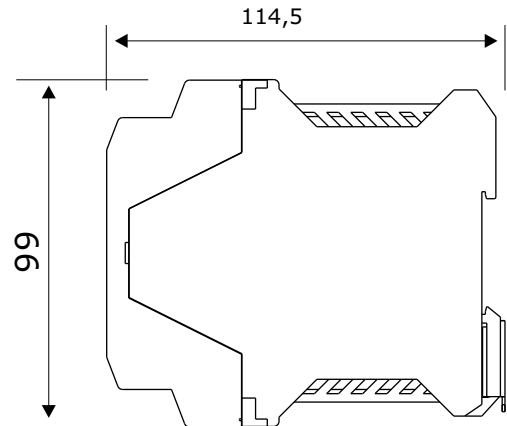
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### Terminal Assignment

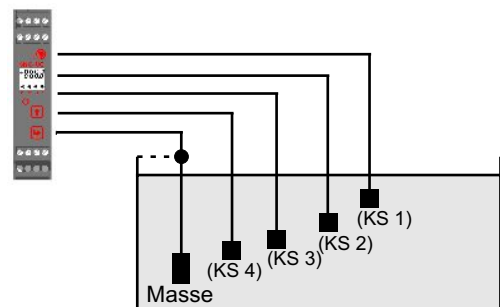


connection	description
1	Probe-Input 1 E1 (KS 1)
2	Probe-Input 2 E2 (KS 2)
3	Probe-Input 3 E3 (KS 3)
4	Probe-Input 4 E4 (KS 4)
5	Ground of electrode / 0 VDC electronic-output
6	---
7	Electronic Output 1 (24V ; 35mA ; PNP)
8	Electronic Output 2 (24V ; 35mA ; PNP)
9	Relay-Output 1 (NO) ; IN
10	Relay-Output 1 ; OUT
11	---
12	---
13	Relay-Output 2 (NO) ; IN
14	Relay-Output 2 ; OUT
15	Supply 24-250V (AC/DC+) N
16	Supply 24-250V (AC/DC-) L1

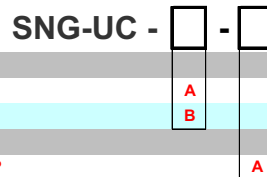
### Dimension of housing



### Example of connection



### Order Code



For the parametrization with the software you need following accessories

### Order Code Accessories

Parameterise-adapter + software-package

**SNG-PA**

For the connection with the PC-USB Interface SMW-PA

PC-USB-Interface incl. software for connection with the PC

**SMW-PA**

For Reading out and parameterise of seli fill level measurement

The red marked items are preferred types!

09/2009