

Type SNG

basic @ level

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

Basic features

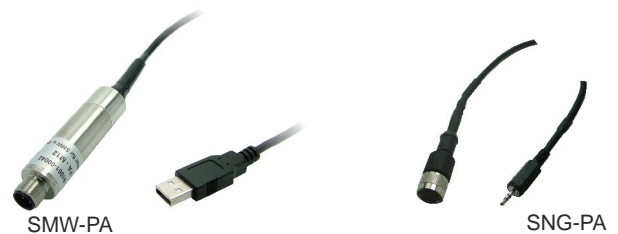
- ▶ Processor controlled unit
- ▶ Up to 4 level probes + ground probe
 - single limit
 - limit control
 - wire breakage protection
 - parameter switching
- ▶ Wide range power supply (universal voltage)
- ▶ PC-configurable (optional)
- ▶ process-monitoring + documentation incl.



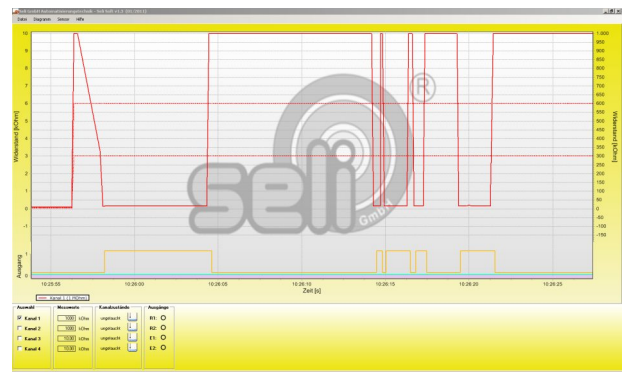
Technical features

- ▶ Version: 22,5 mm top-hat rail housing
- ▶ Supply voltage : 24-250V (AC/DC), or 24 VDC
- ▶ 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 K ... 9,9 K / 990 K ;
 - 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 protected
- ▶ Time Delay: turn on-/off-delay
 - 0,0 to 99,9sec; free selectable
 - for each output

Accessories (optional)



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



Favoured fields of application are e.g:

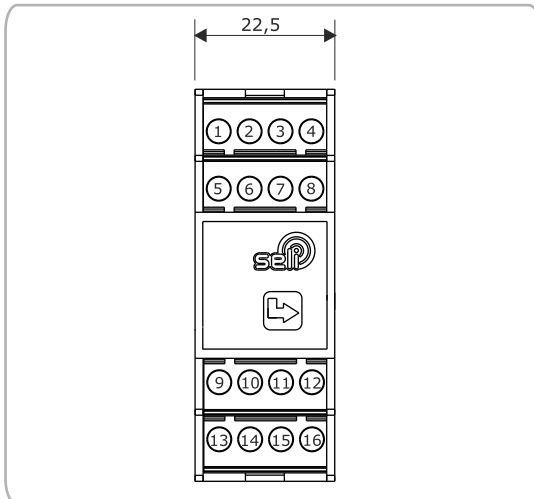
- ▶ Low- / high alarm in containers
- ▶ Media registration in pipes as pump protection
- ▶ Filling / emptying of tanks with level control

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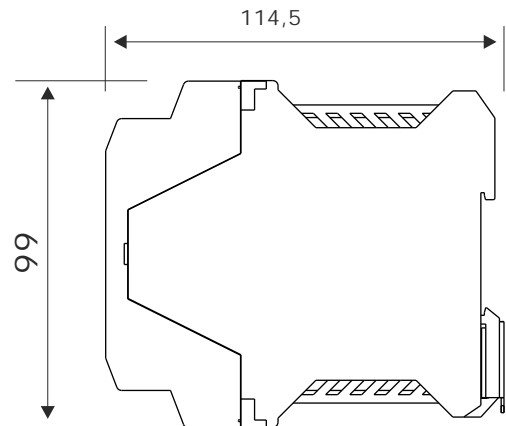
Terminal Assignment



SNG-UC

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

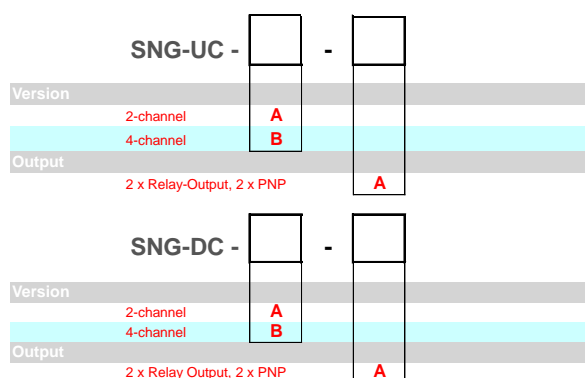
Dimension of housing



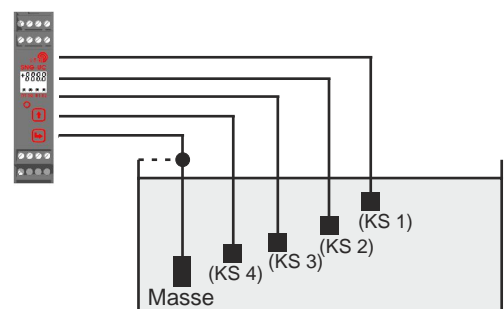
SNG-DC

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 24V (DC+)	
16	GND	

Order Code



Example of connection



Order Code Accessories

Parameterise-adapter + software-package ST-PA-M12
 For the connection with the PC-USB Interface ST-M12-KL