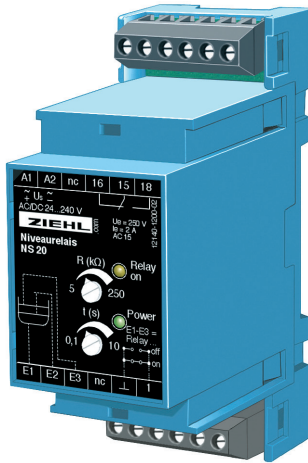


# Level Monitor Type NS20

## 1 Level and MIN / MAX-Control

### NS20



Part number: **V223440**

Lever-Relays NS20 for conductive liquids can be used as monitors for 1 Level and for controlling a level between 2 electrodes.

- 3 elektrodes for MIN/MAX-control
- 2 elektrodes (E2 open) as level-monitor
- Sensitivity adjustable 5 k $\Omega$ ...250 k $\Omega$
- LED for state of relay
- Function of relay reversible (picks up or releases at top electrode)
- Switching-delay adjustable 0,1 ... 10 s
- Universal supply-voltage AC/DC 24-240 V

Applications as level-monitor: Protection from running dry or overflow, seal-monitoring of submersible pumps for leaks, detection of leaks.

Applications Min/Max: Controlling a level between minimum (elektrode E2) and maximum (E3). As long as E3 is dry, a magnetic valve is opened (or a pump is running) and liquid is influenting. As soon as maximum (E3) is reached, the NS 20 closes the valve. When the level falls below E2, the cycle starts new. In reverse also discharging of a container can be controlled.

### Technical Data

Supply voltage  $U_s$

Relay  
Contact  
Switching delay

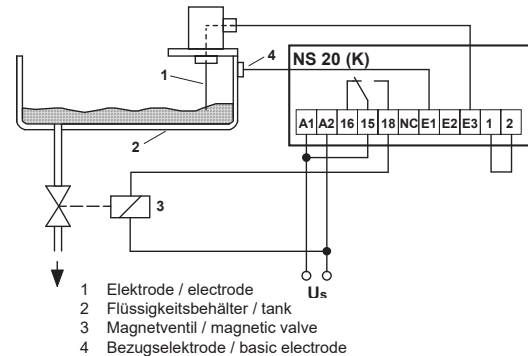
Test conditions  
Rated ambient temperature range

Number of electrodes  
Voltage at electrodes

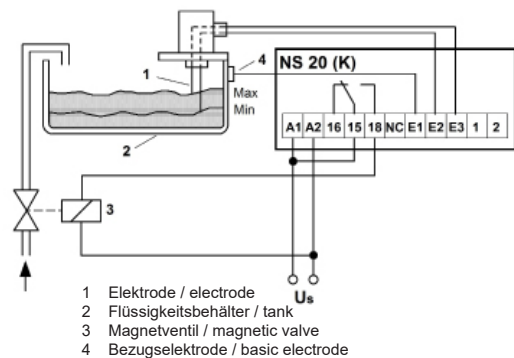
Line capacity at 5 k $\Omega$   
at 150 k $\Omega$   
at 250 k $\Omega$

Dimensions (h x w x d) mm  
Attachment  
Protection housing/terminals  
Weight

Überwachung Flüssigkeitsstand mit 1 Elektrode (E3 benetzt, Relais an 15-18 geschlossen)  
monitoring of liquid with 1 electrode (E3 dipped, relay on 15-18 closed)



Zulaufsteuerung mit 2 Elektroden (E3 benetzt, Relais aus 15-16 geschlossen)  
filling tank with 2 electrodes (E3 dipped, relay off 15-16 closed)



AC/DC 24-240 V, 0/50/60 Hz, <2W, <3VA  
(DC 20,4-297 V, AC 20-264 V)

1 change-over-contact (co)  
**type 2** see "general technical information"  
adjustable 0,1...10 s

see "general technical information"  
-20°C...+55°C

2 or 3 (with 2 electrodes: E2 not connected)  
< AC 6 V<sub>eff</sub>

max. 500 nF = app. 2500 m  
max. 20 nF = app. 100 m  
max. 10 nF = app. 50 m

design V2: 90 x 35 x 58 mm, mounting height 55 mm  
on 35 mm DIN-rail or with screws M4  
IP 30/ IP 20  
app. 100 g