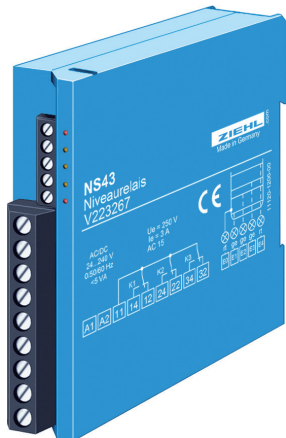


Level Monitors Type NS43

MIN/MAX-Regulation, protection from overflow and unlubricated operation

NS43



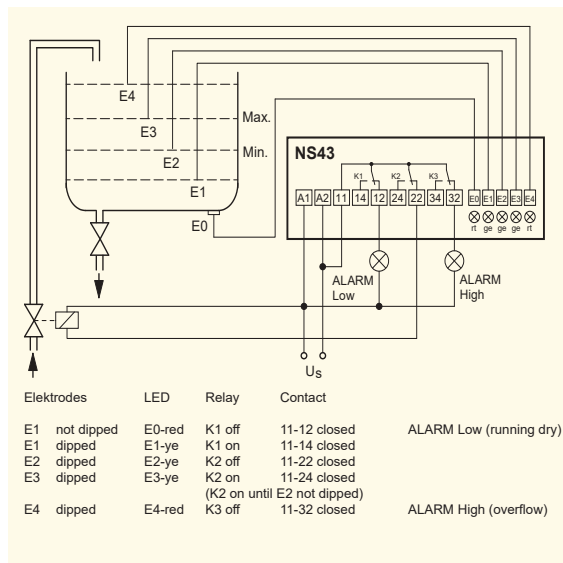
The level monitor NS43 regulates the level of liquid in a container between 2 electrodes. In the normal operation the level of the liquid is situated between the electrodes E2 and E3. The relay K2 tightens, if the level E3 is achieved and drops, if E2 is fallen below. Over the output contacts (1 change-over switch) a pump or a valve can be controlled depending upon case of application and so the level be regulated. If the level continues to rise in an incident and if the electrode achieves E4, then a message takes place via relay K3 (drops). In the reverse case (level under E1) the relay K1 drops and protects e.g. a pump against running dry. LEDS signal, which electrodes are moistened.

- Level monitoring of leading liquids
- MIN/MAX level regulation
- protection from overflow
- protection from running dry
- sensitivity adjustable 5... 250 k?
- LED for level display / alarm

Application:

In the galvanotechnics and everywhere, where the level of a leading liquid must be held on a certain level and at the same time a monitoring on overflow and/or no-load operation is necessary.

Order-number: V223267



Technical Data

Supply voltage U_s
 Admissible tolerance U_s
 Power consumption
 Frequency

AC/DC 24-240 V
 AC 20-264 V, DC 20-297 V
 $\leq 5 VA, < 3 W$
 0,45 - 62 Hz

Relay
 Contact

3 CO
 Type 2 see "general technical information"

Pick up delay
 Release delay

approx. 1 s
 approx. 1 s

Test conditions
 Rated ambient temperature range

see "general technical information"
 -20°C...+60°C

Number of electrodes
 Voltage at electrodes

5
 $< AC 3 V_{eff} (\leq 0,1 mA)$

Line capacity at 5 k Ω
 at 25 k Ω
 at 250 k Ω

max. 500 nF = approx. 2500 m
 max. 100 nF = approx. 500 m
 max. 10 nF = approx. 50 m

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

Design K: 75 x 22,5 x 115 mm
 Snap mounting on 35 mm standard rail
 IP 30/ IP 20
 approx. 130 g