

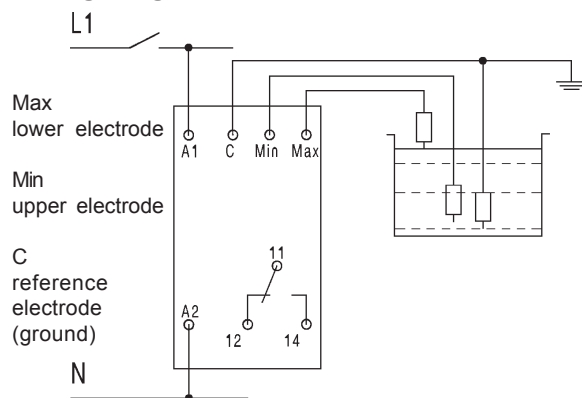
Level Relay

NR 430-type level relays have a hysteresis behavior which allows to control two switch points (e.g. tank full-empty) in connection with a 3-rod electrode. With 2-rod electrodes, one filling level can be controlled. For this purpose, the level relay applies a physically separated a.c. voltage to two outputs (e.g. 20V, AC).

Min-Max Level Control with 3-Rod Electrodes

The output relay pulls up if a nominal voltage is applied to terminals A1, A2 and if the the electrode is not wetted. If the liquid level reaches the upper electrode (connection "EO"), the relay drops, if the liquid level falls below the lower electrode (connection "EU"), the relay pulls up again.

Wiring Diagram



Sensitivity

If the level relay is controlled by rod electrodes, the conductivity of the liquid must be at least 10 μ S. For well-conducting liquids, the level relay should be less sensitive as otherwise, malfunctions might occur in the case of humid atmosphere around the rod electrodes. Maximum sensitivity is to be chosen for poorly conducting liquids. Sensitivity is adjustable within arange of 5 kOhm to 100 kOhm.

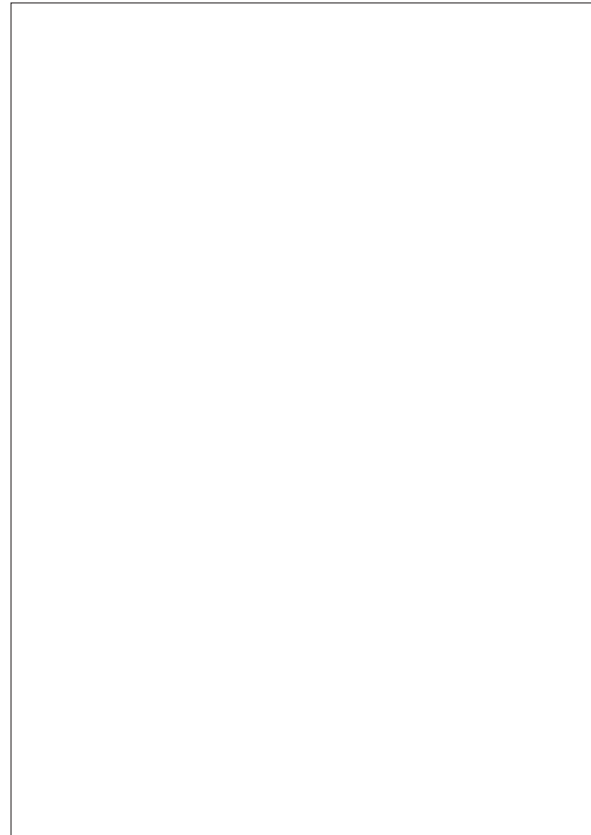
Technical Data

Dimensions

- 75 x 22.5 x 115 mm
- Quick fastening for 35 mm standard bearing rails acc. to DIN EN 50022
- Connection marking acc. to DIN EN 50005
- Dimensioning of the striking and creeping distance according to VDE 0110 Gr. C

Output Relay

- Switching voltage: 230 V, 50 Hz
- Switching performance: max. 8A at 250 V/50 Hz
- Switching frequency: max. 7200 switches/h



Service life: 20x10⁶ switchovers
 Short-circuit strength: 10 A safety fuse

General

Connecting voltage: 230 V, 50-60 Hz
 Special voltage upon request
 Sensitivity of response: settable
 < 5 to < 100 kOhm
 Operating range: - 10 bis + 55 °C
Part No.: 44300071

Dimensions

Depth with adapter plate + 1.5 mm

