## VARIMETER

Undervoltage Relay
IL 9071, SL 9071


IL 9071.12, SL 9071.12

- According to IEC/EN 60 255-1
- Identification of
- undervoltage
- phase failure
- asymmetry also with reverse voltage
- missing neutral in the system
- broken neutral on IL/SL 9071
- neutral exchanged against phase
- Single phase connection possible
- According to DIN VDE 0100-710 (for rooms used for medical purposes) as an option
- Fixed setting value (variable as an option)
- De-energized on trip
- LED indicator
- With safe disconnection according to IEC/EN 61 140, IEC/EN 60 947-1 between the Measuring Circuit and the contacts
- Independant of phase sequence
- 2 changeover contacts
- Devices available in 2 enclosure version:

IL 9071: depth 61 mm with terminals at the bottom for installations systems and industrial distribution systems according to DIN 43880
SL 9071: depth 98 mm with terminals at the top for cabinets with mounting plate and cable duct

- Width 35 mm


## Additional Information about this topic

- Datasheet undervoltage relay IK/IL 9171
- Relay workshop No. 15 and No. 16:

The meaning of asymmetry in 3 phase systems (only in German)

## Approvals and Markings



$$
\text { *) only IL } 9071
$$

## Applications

Monitoring of three-phase voltage systems to identify undervoltage, asymmetry or phase failure and switching-on of safety lighting in accordance with DIN VDE 0108.

Neutral monitoring in 3-phase systems. In 3-phase systems with neutral often also single phase load are connected between phase and neutral. If the neutral is missing in a system like this unsymmetric voltages occur that could damage single phase consumers if the voltage rises too high. Also consumers can stop to work if the phase-neutral voltage gets too low. The IL 9071 detects this problem and can switch of the system immediately.

## Indicators

green LED:
on, when the mains system is working properly
(contact 11-14 and 21-24 closed)

## Notes

For single phase operation the terminals L1, L2 and L3 have to be bridged


