Product Information

Discontinued Product

Voltage monitor ASW300

Description

Voltage monitor ASW300 is applied for monitoring the voltage of alternating or three-phase current networks. The switching points undervoltage and overvoltage are separately set and work on separate output relays. The output relay is picked up if actual value of the measured voltage is over the set limit value. For this it needs only one value of L1, L2 or L3 to activate the corresponding output relay. This means, that the pass over of only one phase gives a monitoring output signal.

For single-phase measurements, terminals L1/L2/L3 to be bridged. The measurement is effected on the basis of outer conductor versus N.

If only one limit value shall be monitored, the other potentiometer will be set to the limit stop.

Function Description

- The functional circuit undervoltage with adjustable potentiometer set to 80% to 120%
  Display "Voltage > Set-point Value"
  Output contact, 1 change-over contact
- Functional circuit overvoltage with adjustable potentiometer 80% to 120%
  Display "Voltage > Set-point Value"
  Output contacts, 1 change-over contact

Technical Data

- Typ: Frequency monitor ASW300
- Construction: Plastic housing on 35mm hat rail as per DIN EN 50022
- Material of housing: Bayblend FR 1439/0240 modified ABS with burning protection UL 94 VO
- Dimension, Weight: 55x68x110mm (WxHxD), ca. 0.2 kg
- Rated Voltage: 231V +/- 15%
- Rated Frequency: 50 / 60 Hz
- Control Range: +/- 20%
- Switching Duration: Appr. 250 ms (Jump DU=10%)
- Hysteresis of switch over: 0,25%
- Repeat Accuracy: 1%
- Power Consumption: 2,5 VA from measuring signal
- On Period: 100 %
- Terminal Load: 5A/250VAC , 5A/30VDC , 0,015 Ohm contact resistance , 10⁵ life time
- Voltage Protection: 3000V (coil-contakt), 1000V (open contakt)
- Connection Terminals: For wire connection up to 2,5 mm², potentialfree input terminal
- Type of Protection: Housing IP 40 , terminals IP 20 (bzw. VDE 0106T100/VBG4 )
- Operating Temp. Range: -10 °C bis +55°C, 95% Humidity
- Potential Separation: EN 60 742 (safety transformers)
- General Regulations: EN 50 178 (electrical units in power current installation)
- Noise suppressions: EN 55 022/B
- EMV: EN 61000 und EN V 50 140
- Installation Position: Any position
- Maintenance: Free of maintenance