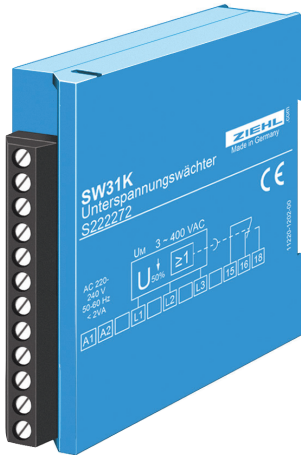


Voltage Monitor for 3-Phase Networks

Undervoltage

SW31K



Undervoltage monitor for three-phase networks without N for monitoring on voltage failure. The voltage is being measured between phases and an artificial neutral point. At symmetrical decrease of the voltage to approx. 50% of the nominal value or in case of failure of a phase the integrated relay (1 change-over contact) releases with a delay of approx. 1s. With engines running on 2 phases, so much back voltage can be produced that the failure of a phase may be

not detected. The SW31K is available for measuring voltages AC 400 V and AC 690 V. As supply voltage in the standard version AC 230 V is needed.

Application:

- Monitoring of three-phase networks on loss of a phase
- monitoring of fuses

Order-numbers:

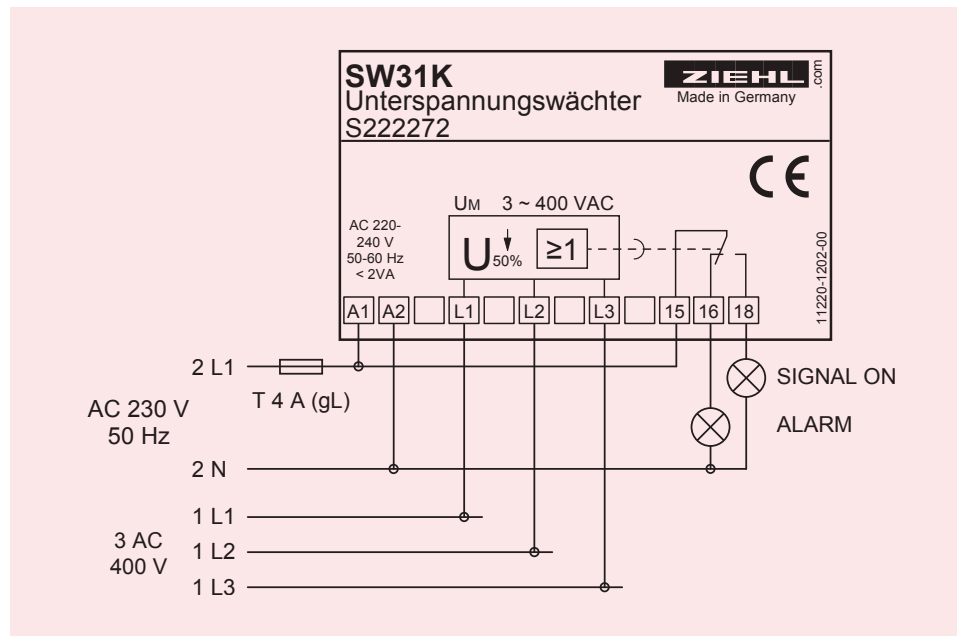
AC 400 V

S222272

AC 690 V

S222271

Special Versions upon request



Technical Data

Rated supply voltage U_s
other Voltages
Frequency

AC 230 V, +10...-15%, < 3 V
upon request
50/60 Hz

Relay-Output
Type of Contact

1 change-over contact (co)
Type 2 (see "general technical informations")

Testing Conditions
Rated ambient Temp. Range
Hysteresis
Switching delay

see "general technical informations"
-20°C...+55°C
app. 10% U_{Nenn}
app. 1 s
Design K: 75 x 22 x 115 mm

Dimensions (H x W x D) mm
Protection Housing/Terminals
Weight

IP 30 / IP 20
app.135 g