Voltage Monitor for 3-Phase Networks
Undervoltage

SW31K

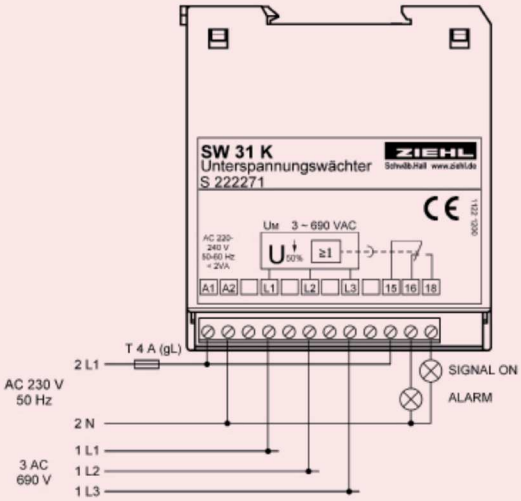
Undervoltage monitor for three-phase networks without N for monitoring on voltage failure. The voltage is being measured between phases and an artificial neutral point. At symmetrical decrease of the voltage to approx. 50% of the nominal value or in case of failure of a phase the integrated relay (1 change-over contact) releases with a delay of approx. 1s. With engines running-on 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	AC 230 V, +10...-15%, < 3 V
other Voltages	upon request
Frequency	50/60 Hz
Relay-Output	1 change-over contact (co)
Type of Contact	**Type 2** (see "general technical informations")
Testing Conditions	see "general technical informations"
Rated ambient Temp. Range	-20°C...+55°C
Hysteresis	app. 10% U_{Nenn}
Switching delay	app. 1 s
	Design K: 75 x 22 x 115 mm
Dimensions (H x W x D) mm	IP 30 / IP 20
Protection Housing/Terminals	app.135 g
Weight	