

# ke-FKR1T

## PHASE PROTECTION RELAY

- ▶ Phase Failure
- ▶ PTC Protection



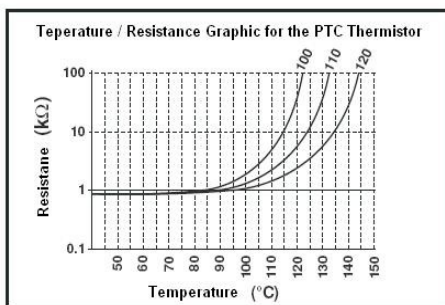
## PHASE PROTECTION RELAY

### Operating Principle:

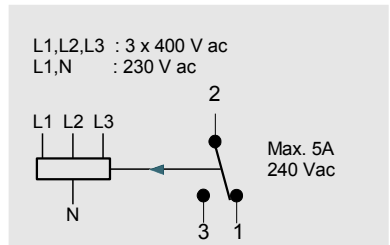
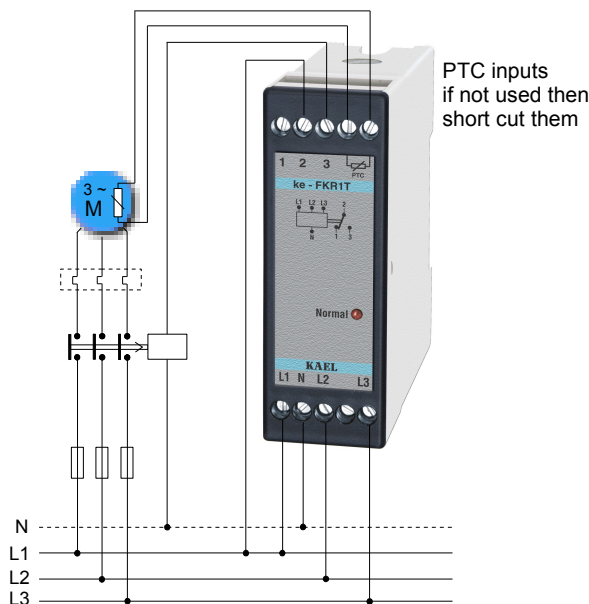
If all R, S, T phase voltages are balanced and there is no missing phase; normal LED turns on and the relay energizes its contact.  
 If phase-neutral voltage unbalance value exceeds  $\pm 20\%$ , normal LED turns off and relay de-energizes its contact.  
 When the unbalance returns to normal boundary, normal LED turns on and the relay energizes its contact again.

### ▶ PTC Protection:

If you have a device with PTC protection capability.  
 If you do not want to use this property, simply short circuit the PTC connections.



### Simple Connection :



### TECHNICAL DATA:

- Rated Voltage : 3 Phase and 1 Neutral 230 VAC
- Operating Range :  $(0,8-1,2) \times U_n$  (Un nominal voltage)
- Frequency : 50/60 Hz
- Energizing and de-energizing difference :  $\pm 3\%$
- Contact Current : max. 5A/240 VAC
- Power Consumption :  $< 8 \text{ VA}$
- Device Protection Class : IP20
- Connector Protection Class : IP00
- Operating Temperature:  $-5^\circ\text{C} \dots +50^\circ\text{C}$
- Connection Type : To connection rail in electrical panel
- Dimensions : 28x82x80 mm

