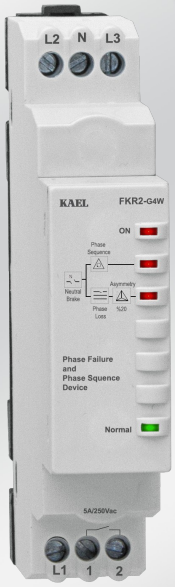
# FKR2.G.4W

## Phase Failure and Phase Sequence Device

KAEL

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ISO 9001:2008

Made in TURKEY

**General:**

In three phase systems, when phase sequence is correct and there is no asymmetry between phases, ***normal*** LED is turned on and relay contact is energised.

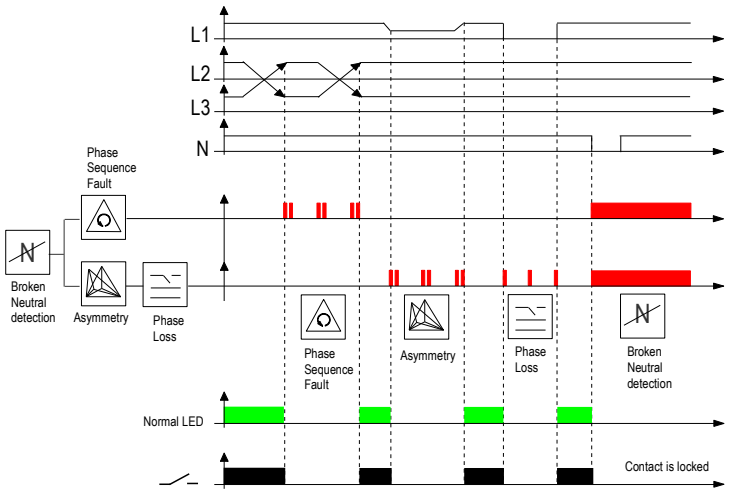
: in case of wrong phase sequence LED is flashed two times per second.

: In case of loss of at least one phase, LED is flashed one times per second.

: If asymmetry exceeds ± 20% LED is flashed two times per second.

: If the neutral cable is broken while the device is working LEDs are turned on continuously.

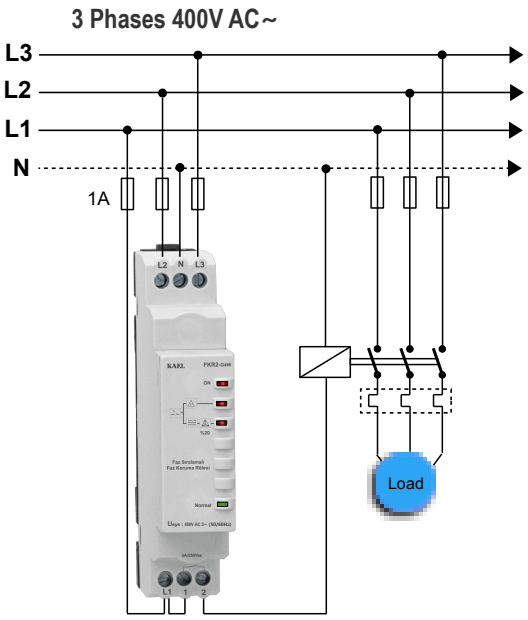
⚠ If the neutral is broken while the contactor is working, the device does not allow the output (locks the output). The device must be energized after the supply voltage has been disconnected and the Neutral cable has been repaired.
When any of the above errors occur, the **normal** led is turned off and the relay contact is released.




**FUNCTIONS :**

- Phase Sequence
- Phase Loss
- Asymmetry 20%
- Broken Neutral detection (locked)

## Connection Scheme




## TECHNICAL DATA:

| | |
|---|---|
| **Rated Voltage (Un)** | : 3 Phases 400V AC~ |
| **Operating Range** | : 3 x 270V – 450V ac |
| **Connection** | : 3P & 4W |
| **Output contact (1-2)** | : Normally open |
| **Contact current** | : Max.5 A / 250 Vac |
| **Power Consumption** | : < 4 VA |
| **Device Protection Class** | : IP20 |
| **Connector Protection Class** | : IP00 |
| **Ambient Temperature** | : - 20 °C....+ 60 °C |
| **Connection Type** | : To connection rail in electrical panel |
| **Dimensions** | :18x90x65 mm |