

# FKR1-DIN

## PHASE FAILURE DEVICE



### ► Operating Principle:

If all L1, L2, L3 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 + 20 %, normal LED turns off and relay de-energizes its contact.

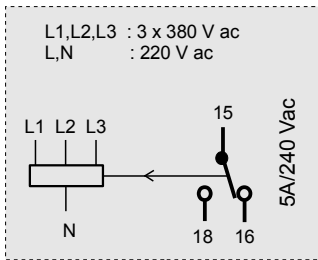
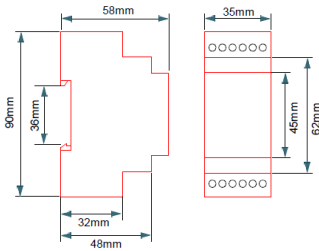
When the unbalance returns to normal boundary, normal LED turns on and the relay energizes its contact again.

### Application Areas:

- Protection of electrical motors
- Protection of 3 phase systems

### TECHNICAL DATA:

Rated Voltage	: 3 Phase and 1 Neutral, 230VAC
Operating Range	: $(0.8 - 1.2) \times U_n$ ( $U_n$ nominal voltage)
Frequency	: 50/60 Hz
Asymmetry Adj.	: Phase to Neutral 20% constant
Contact Current	: Max. 5 A / 240 VAC
Power Consumption	: < 8 VA
Device Protection Class	: IP20
Connector Protection Class	: IP00
Ambient Temperature	: -5°C....+50°C
Connection Type	: To connection rail in electrical panel
Dimensions	: 35x90x58 mm



### Connection Scheme

