

General Specifications

SFMK - FMK SERIES: Motor (Phase) Protection Relay with Phase Sequence.It protects motor when one of the phases is cut or its value fluctuates more than asymmetry value, or Phase sequence is wrong and motor oveheat.
FSR:It protects motor against wrong phase sequence.

Protection Functions

I- Phase Loss : If the system has lost one of the phases, the output is closed without delay .
II-Phase Sequence Failure : If the sequence of the phases are wrong the output is closed without delay.
III- Voltage Asymmetry: If system's phase-neutral voltage values are between the adjusted asymmetry value, "out" led is on (2-3 contacts are closed). Otherwise the output is closed (1-2 contacts are closed).

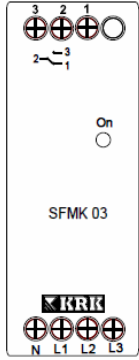
$$\text{Asymmetry (\%)} = \frac{\text{The max. deviation between Ph-N values}}{\text{Nominal value of Ph-N}} \times 100$$

Technical Specifications

Type	Asymmetry	Electrical Connection	Weight (kg)
SFMK 03	%40	PCB Clamp	0,09
SFMK A	%5...%30	PCB Clamp	0,09

True RMS PHASE FAILURE & PHASE SEQUENCE DEVICE

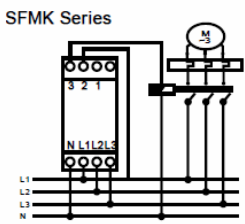
SFMK A
SFMK 03



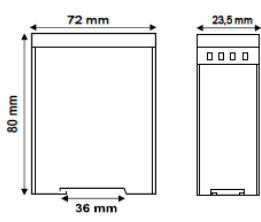
UG-22/REV 01

- Supply voltage : 220 Vac, 3 Phases + N, 50/60 Hz.
- Hysteresis : % 20 (Asymmetry Value)
- Power Consumption : < 7 VA
- Ambient Temperature : -5°C...+55°C
- Contact Type : 1 Inversor, 10A/ 250 Vac(Omron)
- Electrical Connector : PCB Clamp
- Connection Type :DIN 35 rail or Vertical Installation(Installation springs behind the box should be pushed outward to enable screwing).

Connection Scheme



Dimension



MANUFACTURE BY:

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