

Features:

- ▶ 3Ø - 3 Wire Input
- ▶ Monitors :Under Voltage, Over Voltage Phase Failure, Phase Imbalance & Phase reversal
- ▶ LED Indication :Relay ON
- ▶ Slim, Space Saving Design
- ▶ DIN Rail Mount
- ▶ Size: DIN 17.5mm

**Advantages:**

- ▶ Protection of power assets
- ▶ Detection and isolation of faults
- ▶ Speedy tripping to avoid damage
- ▶ Maintain supply continuity of healthy circuit

Applications:

- ▶ Control Panel
- ▶ Feeder/Motor
- ▶ Generator
- ▶ Transformer
- ▶ Electrical Distribution

Functional Specification

Phase Failure Trip	3 Phase Voltage <180V AC
Under Voltage	Yes -25% Of 415
Over Voltage	Yes +25% Of 415
Phase Imbalance	30v fixed
hysteresis	10V
Trip Accuracy	1%
Response Time	100 ms
Reset	Auto reset on removal of fault condition

Output Specifications

Output Contact	SPDT (1 C/O)
Contact Rating	NO/5A, @250V AC

Supply Voltage

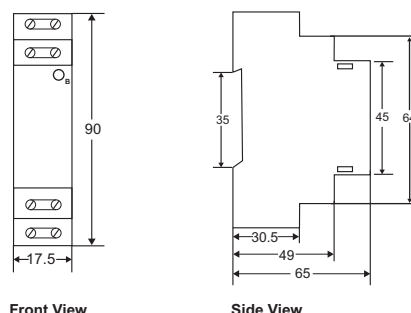
Nominal Input Voltage	415V AC (phase to phase)
Power Consumption	20VA max
Operating Voltage	150 to 500V AC

Environmental Specification

Temperature	Operating: 0 to 50°C (32 to 122°F) Storage: -20 to 75°C (-4 to 167°F)
Humidity (non-condensing)	95% RH
Weight	62 gms
Protection Level	IP50 for faceplate IP40 for housing IP20 for terminals

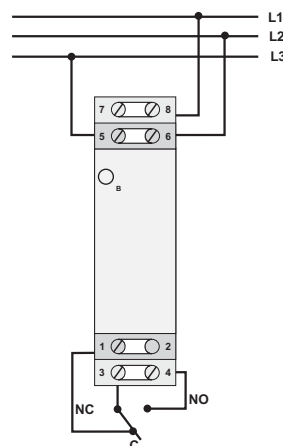
LED Indication Chart

SUPPLY	RELAY LED
Nominal condition	NO
Phase Failure	OFF
Phase Imbalance	OFF

Dimension

Front View

Side View

Connection Diagram

Applicable Standards

Radiated Emission	CISPR22
Fast Transient Burst Test	IEC61000-4.4
Conducted Emission	IEC61000-6.3
Test of Immunity to Electromagnetic RF Fields	IEC61000-4.3
Test of Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	IEC61000-4.6
Test of Immunity to Electrostatic Discharges	IEC61000-4.2
Surge Immunity Test	IEC61000-4.5

Safety Standards

Safety Standard	IEC61010-1
Pollution Degree	II
Installation Category	III
High Voltage Test	2 kV AC, 50Hz for 1 Minute Between Aux.& Measuring Inputs

Ordering Information

Ordering Code	Description
VIPS-33PSR	3Ø - 3W, 150 to 500V AC, P-P