600VPR-310/520

Voltage Protection Relay

DIN 17.5mm

Features :

- 3Ø - 3 Wire Input
- Monitors Under Voltage, Over Voltage, Phase Sequence & Phase Failure
- Trip Delay (T) : 0.2 to 10sec
- LED Indication : Relay ON, Power ON
- Slim, Space Saving Design
- DIN Rail Mount

Certification : CE

Display Specifications

Type	Analog
No. of LED	2
No. of Knob	3

LED Indication Chart

Condition	'ON' LED	'R' LED
Nominal Condition	ON	ON
Fault Conditon	ON	OFF

Input Specifications

Accuracy (Trip Voltage)	±0.5% of Full Scale
Accuracy (Trip Time)	±5% of Full Scale
Reset	Auto reset on removal of fault condition

Output Specifications

Relay Contact	1 C/O (SPDT)
Relay Rating	NO / 5A, NC / 3A@250V AC

Auxiliary Supply Specifications

Nominal Input Voltage	415V AC
Operating Voltage	310 to 520V AC
Power Consumption	20VA max

Functional Specifications

Phase Sequence	Yes
Phase Failure	±0.5% of Full Scale
Under Voltage	310 to 405V AC
Over Voltage	425 to 520V AC
Trip delay (T)	0.2 to 10sec
Power On Delay	400msec

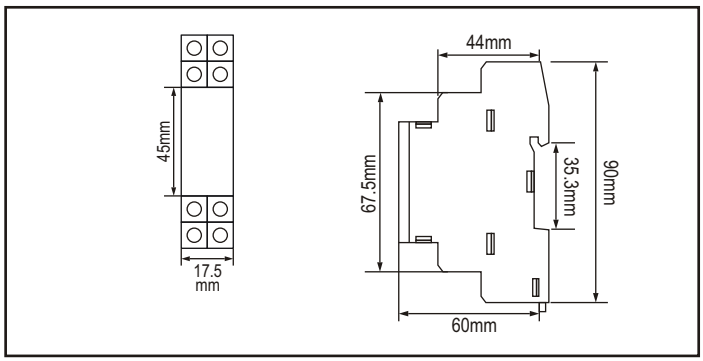
Environmental Specifications

Temperature	Operating Temperature : 0° to 50°C (32 to 122°F) Storage Temperature : -20° to 75°C (-4 to 167°F)
Humidity (non-condensing)	Upto 95% RH
Pollution Degree	
For PCB	2
For Product	3
Degree of Protection Devices	IP20

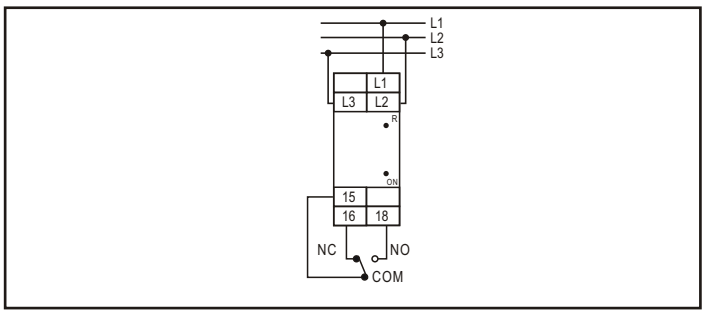
Mechanical Specifications

Mounting	DIN Rail
Weight	62gms
Screw Tightening Torque	0.6 NM

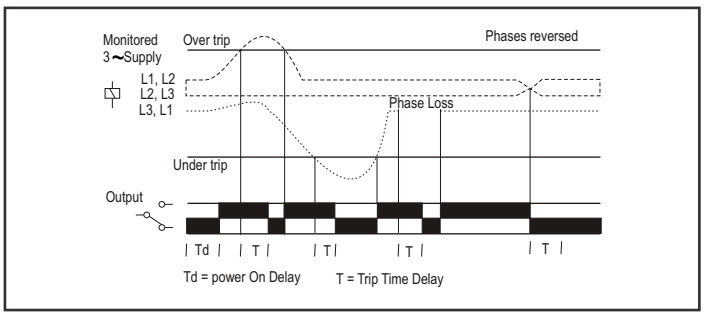
Dimensions



Terminal Connection



Timing Diagram



Compliance

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category	**Reference Standards**	**Testing Level**
Electrostatic Discharge	IEC 61000-4-2	Level-3
Electrical Fast Transient / Brust	IEC 61000-4-4	Level-3
Electromagnetic Field	IEC 61000-4-3	Level-3
Surge	IEC 61000-4-5	Level-3
Conducted RF	IEC 61000-4-6	Level-2
Rated Power Frequency	IEC 61000-4-8	Level-4
Voltage Dip / Short Interruptions	IEC 61000-4-11	Level-3
Conducted Emissions	CISPR-11	Class-B
Radiated Emissions	CISPR-22	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	

Ordering Information

Product Code	Operating Range	Certification
600VPR-310/520V-CE	310 to 520V AC	CE