Voltage Protection Relay

600VPR-310/520-CE



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

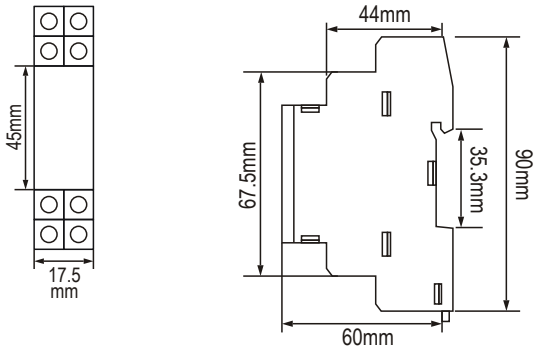
Certifications: CE

Technical specifications

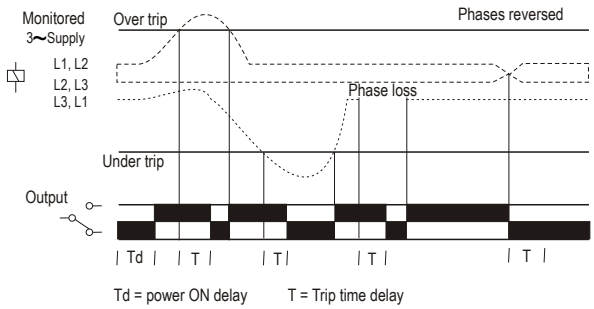
Display specifications		
Type	Analog	
No. of LED	2	
No. of knob	3	
LED Indication chart		
Condition	**'ON' LED**	**'R' LED**
Nominal condition	ON	ON
Fault condition	ON	OFF
Input specifications		
Accuracy (trip voltage)	±0.5% of full scale	
Accuracy (trip time)	±5% of full scale	
Reset	Auto reset on removal 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	Yes	
Under voltage	310 to 405V AC	
Over voltage	425 to 520V AC	
Trip delay (T)	0.2 to 10 sec	
Power ON delay	400ms	
Environmental specifications		
Operating temperature	0 °C to 55 °C (32 °F to 131 °F)	
Storage temperature	-20 °C to +75 °C (-4 °F to 167 °F)	
Humidity (non-condensing)	Up to 95% RH	
Pollution degree	For PCB 2, For product 3	
Degree of protection devices	IP20	

Mechanical specifications	
Mounting	DIN rail
Weight	62 gm
Screw tightening torque	0.6 NM

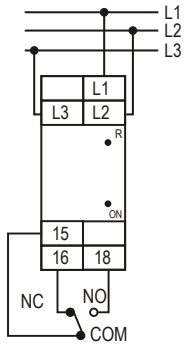
Dimensions (all are in mm)



Timing diagram



Terminal connection



Terminal connection

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 Emission	CISPR-11	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	

Ordering information

Product code	Supply voltage	Certification
600VPR-310/520V-CE	310 to 520V AC	CE