Voltage Protection Relay

600VPR-170/290-CU



DIN 17.5mm

Features:

- 3Ø - 3 wire input
- Monitors phase sequence, Phase failure, Under voltage, Over voltage
- Trip delay (T): 0.2 to 10 sec
- LED indication: Relay ON, Power ON
- Slim, Space saving design
- DIN rail mount

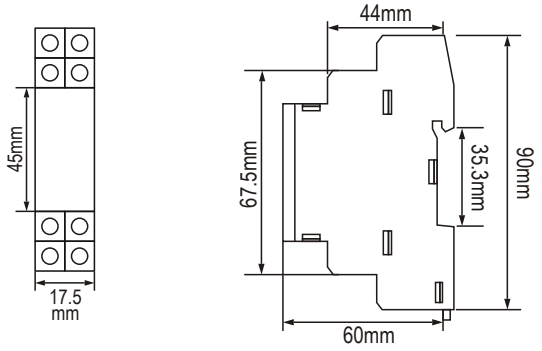
Certifications:

Technical specifications

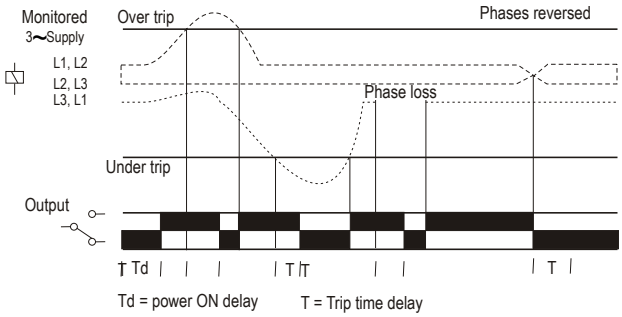
Display specifications		
Type	Analog	
No. of LED	2	
No. of knob	3	
LED indication chart		
Supply	**'R' LED**	**'ON' LED**
Nominal condition	ON	ON
Fault conditon	OFF	ON
Input specifications		
Accuracy (trip voltage)	±1% of full scale	
Accuracy (trip time)	±5% of full scale	
Reset	Auto reset on removal of fault condition	
Output specifications		
Output contact	1 C/O (SPDT)	
Relay rating	NO / 5A, NC / 3A @250V AC	
Auxiliary supply specifications		
Nominal input voltage	230V AC	
Operating voltage	170 to 290V AC	
Power consumption	20VA max	
Functional specifications		
Phase sequence	Yes	
Phase failure	Yes	
Under voltage	170 to 224V AC	
Over voltage	236 to 290V AC	
Trip delay (T)	0.2 to 10 sec	
Power ON delay	400msec	
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 gms
Screw tightening torque	0.6 NM

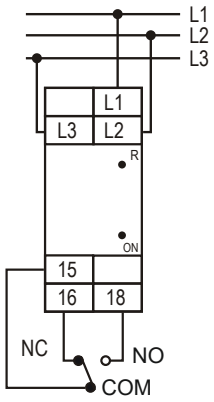
Dimensions (all are in mm)



Timing diagram



Terminal connection



Compliance

Applicable EMI / EMC standards		
Product standard: IEC 60947-2		
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-22	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	

Ordering information

Product code	Supply voltage	Certification
600VPR-170/290-CU	170 to 290V AC	CE cULus LISTED