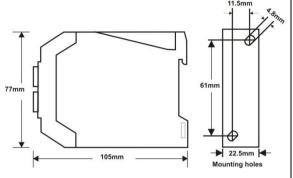
VOLTAGE PROTECTION RELAY





Dimensions

All dimensions in mm

FE	AT	URE	ES

- 3Ø / 3 wire input Monitors phase sequence, phase failure, under voltage, over voltage
- Settable trip delay through DIP switch
- Led indication : Relay , Fault
- High reliability

LED INDICATION CHART					
CONDITION	RELAY	FAULT LED			
Nominal	ON	OFF			
Phase Reversed	OFF	ON			
L-L Over/Under Voltage	OFF	Blinking at 5Hz			
Phase Missing	OFF	Blinking at 2Hz			

	Din rail / base mounting		
	PHASE SEQUENCE MONITORING	Yes	
	PHASE FAILURE MONITORING	Yes	
	UNDER VOLTAGE TRIP RANGE	310 to 405V AC (L-L) (25% to 2.5% of 415V settable by POT)	
FUNCTIONAL	OVER VOLTAGE TRIP RANGE	425 to 520V AC(L-L) (2.5% to 25% of 415V settable by POT)	
SPECIFICATIONS	TRIP DELAY(T)	0.2 to 10 Sec (Settable by DIP switch)	
	TRIP TIME ACCURACY	±3% of full scale	
	RESPONSE TIME	200mSec. max.	
	POWER ON DELAY	250mSec.	
AUXILIARY	SUPPLY VOLTAGE RANGE	310 to 520V AC(L-L), 50Hz (±10%), 3Ø /3Wire (Recommended fuse : 1A, 230V AC fast blow)	
SUPPLY SPECIFICATIONS	NOMINAL AUXILIARY VOLTAGE	415V AC(L-L)	
SPECIFICATIONS	POWER CONSUMPTION	20VA Max	
ISOLATION	Supply terminals – Contact : 1.5KV, 1min		
OUTPUT	OUTPUT CONTACT	SPDT (1 C/O)	
SPECIFICATIONS	CONTACT RATING	NO : 5A, NC : 3A @ 250V AC, Resistive	
ACCURACY	± 3% of full scale		
RESET	On interruption of power, On removal of fault condition		
	POTENTIOMETER	MECHANICAL : 1000 Cycles / Stepper Type (10 Steps)	
ENDURANCE	RELAY	MECHANICAL: 10,000,000 ops. Minimum (1800 ops./h) ELECTRICAL: 100,000 ops. Minimum (1200 ops./h)	
	OPERATING AMBIENT	0~55°C, 85% RH	
AMBIENT CONDITIONS	STORAGE AMBIENT	-20°C to 85°C	
	HUMIDITY	95% RH non condensing	
	TERMINATIONS	Screw type, for 2.5mm sq. wire	
GENERAL SPECIFICATIONS	MOUNTING	DIN rail / Base mount	
	WEIGHT	120 gms	
	PROTECTION LEVEL	IP40 for housing, IP20 for terminals, Finger safe terminals	
	<u>_V</u>	PR,-,415V,	
	+	J	
ORDERING	DESIGN NO.	AUXILIARY SUPPLY VOLTAGE	
INFORMATION			

SWITCH SETTINGS				
DIP Switch	Trip Delay			
ON+ 1 2 3 4	0.2 Sec			
1 2 3 4	0.4 Sec			
1 2 3 4	0.6 Sec			
1 2 3 4	0.8 Sec			
1 2 3 4	1.0 Sec			
1 2 3 4	2.0 Sec			
1 2 3 4	4.0 Sec			
1 2 3 4	6.0 Sec			
1 2 3 4	8.0 Sec			
1 2 3 4	10.0 Sec			

L1 — L2 — L3 — Fuse [2]			<u> </u>
	L1 L2	L3 +)	
cc	16 15	18 • NC	0

TERMINAL CONNECTIONS

Plot No. W-32 (D) , Additional Ambernath MIDC , Near MIDC office , Ambernath (E) - 421506 , MH, India. Boardlines : +91-251-2620417 , 2620427, +91-9820362980 Email : shavison@shavison.com www.shavison.com

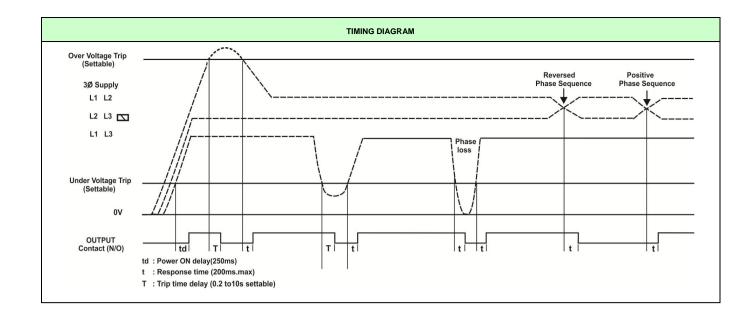


Rev.1

415V AC(L-L), 3Ø / 3Wire

Date: 20th Jun 2024

VPR





Date: 20th Jun 2024