Single Phase Preventor

SPPA2M2



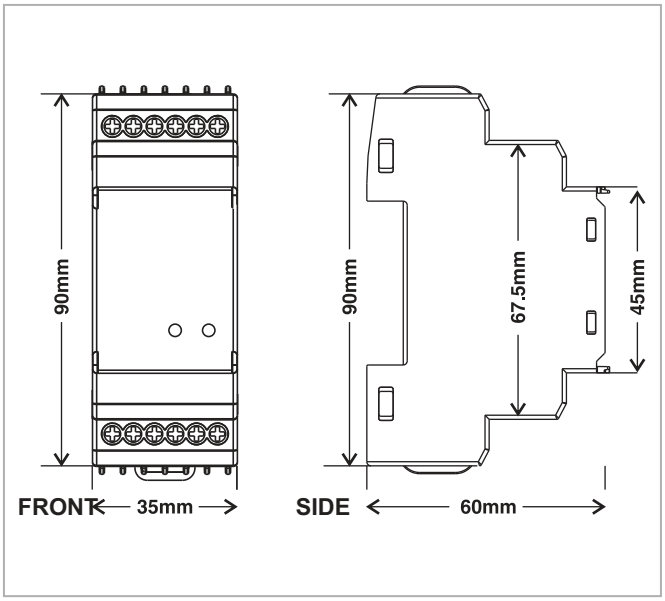
Features :

- 3Ø - 3 Wire system
- Monitors phase loss, Phase asymmetry, Over voltage & Under voltage
- LED Indication for power ON & trip
- DIN Rail mount
- DPDT Relay output

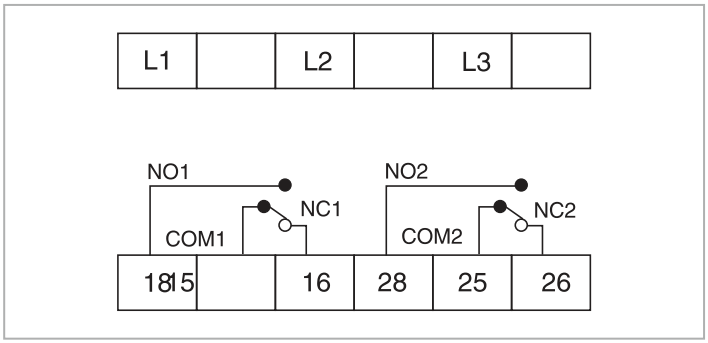
Technical specifications

Functional specification			
Phase imbalance	30V(Fixed)		
Hysteresis	6V		
Voltage accuracy	±1% of Full scale		
Time accuracy	±5% ±100ms		
Power ON delay	3s (Fixed)		
Trip setting			
Phase loss			
Phase asymmetry	30V (Fixed)		
Over voltage trip	10% Of Nominal voltage		
Under voltage trip	15 % Of Nominal voltage		
Trip & Recovery time delay			
Trip & Recovery time delay	<120ms for Phase loss, Phase asymmetry, <200ms for Over voltage, Under voltage		
Reset condition	After removal of fault condition reset automatically after hysteresis of 6V.		
Output specifications			
Output contacts	DPDT (2C/O)		
Contact rating	5A@250VAC res.		
Supply voltage			
Nominal input voltage	415V AC (Phase to phase)		
Power consumption	50VA max		
Operating voltage	280 to 520V AC (L-L)		
Environmental specifications			
Operating temperature	0 to 55°C		
Storage temperature	-20 to +70°C		
Humidity (Non - condensing)	Up to 95% RH		
Weight	100gms		
Protection level	IP30 For housing, IP20 Terminals		
LED Indication chart			
Various condition	**ON LED**	**R LED**	**Relay**
Nominal condition	ON	OFF	Energised
Fault conditon	ON	ON	De-Energised
Phase reverse	ON	ON	De-Energised

Dimensions (All are in mm)



Terminal Connection



Ordering information

Product code	Supply voltage	Certification
SPPA2M	280-520V AC(L-L), 45-65 Hz	–

Timing Diagram

