



DIN : 17.5mm

Features:

- 3Ø - 3 Wire Input
- Monitors Phase Sequence, Phase Failure, Phase Asymmetry
- LED Indication: Relay ON
- Slim, Space Saving Design
- DIN Rail Mount

Certifications: 

Display Specifications

Type	Analog
No of LED	1

LED Indication Chart

Condition	Relay LED
Nominal condition	ON
Phase Reversed / Phase Failure	OFF
Phase Imbalance	OFF

Input Specifications

Accuracy	±3% of F.S. (F.S. = Full Scale)
Reset	Auto reset on removal of fault condition

Output Specifications

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

Auxiliary Supply Specifications

Power Consumption	20VA max
Operating Voltage	154 to 500V AC(L-L)

Functional Specifications

Phase Failure Trip	3 Phase voltage <154V AC(L-L)
Phase Asymmetry	30V fixed
Phase Sequence	Yes
Hysteresis	6V
Trip Accuracy	±10V
Response Time	200 msec max.
Power On Delay	200 msec

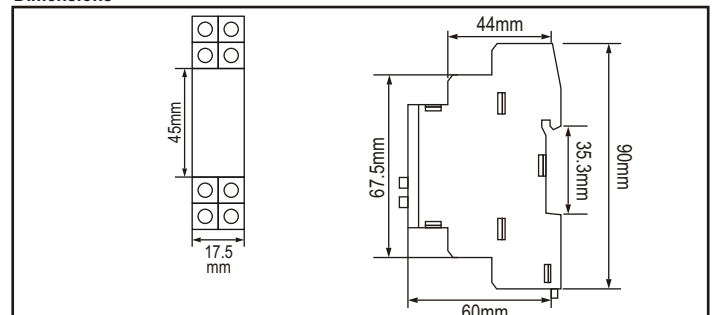
Environmental Specifications

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

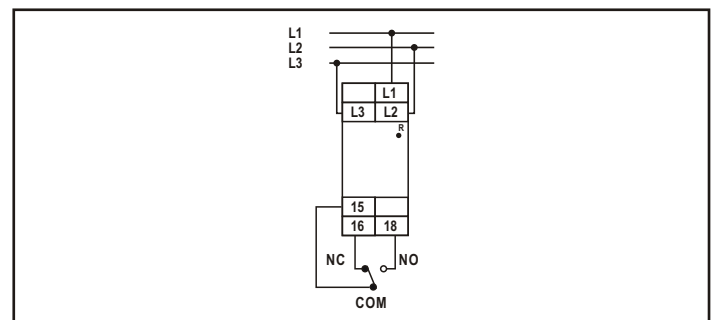
Mechanical Specifications

Mounting	Din Rail
Weight	62gms
Screw Tightening Torque	0.6 NM
Conductor Cross Section (Solid)	1 x (0.75 to 2.5)sq.mm 2 x 0.5 to 2 x 1.5sq.mm
Conductor Cross Section Fine	
Standard With End Sleeve	2 X (0.5 to 1.5)sq.mm 1 X (0.5 to 2.5)sq.mm

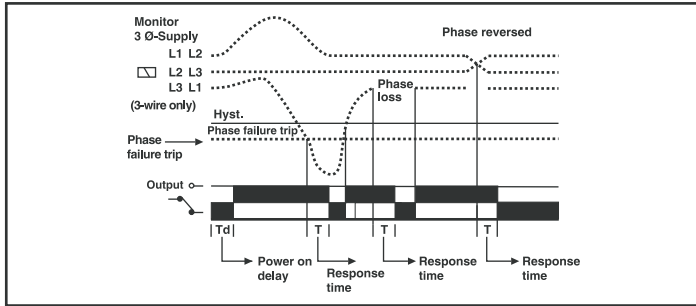
Dimensions



Terminal Connections



Timing Diagram



Ordering Information

Product code	Operating Range	Certification
600PSR	154-500V AC	—
600PSR-CE	154-500V AC	CE
600PSR-165/300-CU	165-300V AC	CE

Compliance

Applicable EMI / EMC Standards		
Product Standard		
Category	Reference Standards	Testing Level
Electrostatic Discharge	IEC 61000-4-2	Level-3
Electrical Fast Transient / Burst	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	