Phase Sequence Relay

600PSR



DIN 17.5mm

Features :

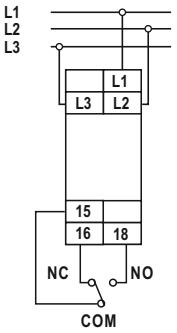
- 3Ø - 3 Wire input
- Monitors Phase sequence, Phase failure, Phase asymmetry
- LED Indication : Relay ON
- Slim and Space saving design
- DIN Rail mount

Technical specifications

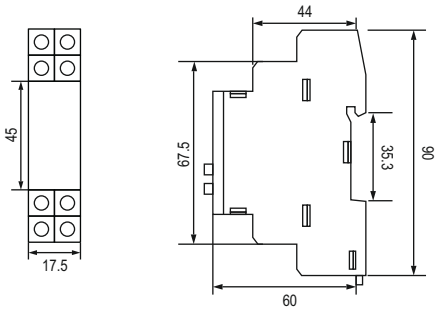
Display specifications	
Type	Analog
No. of LED	1
LED Indication chart	
Condition	**'R' LED**
Nominal condition	ON
Fault condition	OFF
Input specifications	
Accuracy	±3% of F.S. (F.S. = Full Scale)
Auto reset	Present
Output specifications	
Relay contact	1 C/O (SPDT)
Relay rating	NO / 5A, NC / 3A@250V AC
Auxiliary supply specifications	
Operating voltage	154 to 500V AC (L - L)
Power consumption	20VA max
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 devices	IP20

Mechanical specifications	
Mounting	DIN Rail
Weight	62gms
Screw tightening torque	0.6 NM

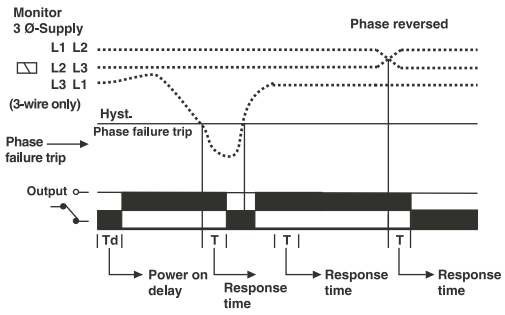
Terminal connections



Dimensions (All are in mm)



Timing diagram



Ordering information

Product code	Supply voltage	Certification
600PSR-CE	154 to 500V AC	CE

Compliance

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 / 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	