Phase Sequence Relay

800PSR

Features:

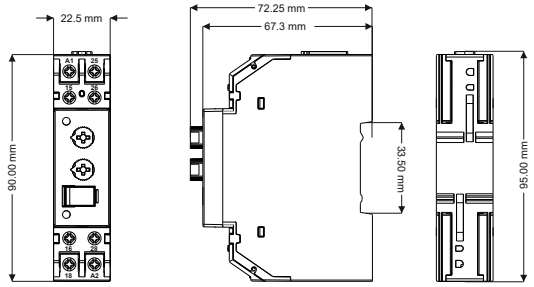
- 3Ø - 3 Wire input
- Phase failure, Phase asymmetry & Phase sequence
- LED Indication: Ph. Loss, Ph. Sequence, Ph. Asymmetry & Power ON
- DIN Rail mount and Wall mount

Technical specifications

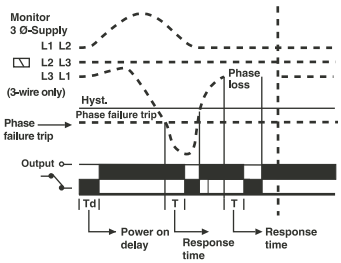
Display specifications				
Type	Analog			
No. of LED	4			
LED indication chart				
Parameter	**Power ON LED**	**Phase Loss LED**	**Phase Sequence LED**	**Phase Asymmetry LED**
Healthy	ON	OFF	OFF	OFF
Ph. Loss	ON	ON	OFF	OFF
Ph. Seq	ON	OFF	ON	OFF
Ph. Asym	ON	OFF	OFF	ON
Input specifications				
Accuracy	±1% of F.S. (F.S. = Full scale)			
Reset	Auto reset on removal of fault condition			
Output specifications				
Relay contact	1C/O (SPDT)			
Relay rating	NO: 250V AC/5A ,28V DC, NC: 250V AC/5A			
Auxiliary supply specifications				
Operating voltage	154 to 500V AC (L-L)			
Nominal frequency	50/60 Hz (±10%)			
Functional specifications				
Phase failure trip	>100V (L-L)			
Phase sequence	≤250m sec			
Phase asymmetry	40V (L-L) fixed, ≥3 sec			
Hysteresis	6V			
Trip accuracy	±1% of full scale			
Response time	250m sec max			
Power on delay	250m sec max			
Environmental specifications				
Temperature	Operating temperature: 0 °C to 50 °C 32 °F to 122 °F) Storage temperature: -20 °C to 75 °C (-4 °F to 167 °F)			
Humidity (non-condensing)	Upto 95% RH			
Pollution degree				
For PCB	2			
For product	3			
Degree of protection devices	IP20			

Mechanical specifications	
Mounting	DIN rail and Wall mount
Weight	78 gm (0.171 lbs)

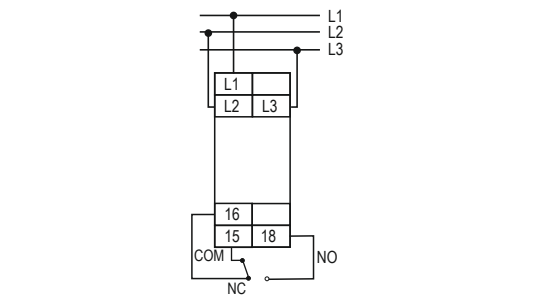
Dimensions (All are in mm)



Timing diagram



Terminal connections



Ordering information

Product code	Supply voltage	Certification
800PSR	154 to 500V AC	- - -