Phase Sequence Relay

640PSR-CE



Features :

- 3Ø - 3 Wire input
- Monitors phase sequence, Phase failure, Phase asymmetry
- LED Indication : Healthy and Trip conditions
- Slim and Space saving design
- DIN rail mount and Wall mount

Certifications : CE

Technical specifications

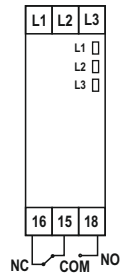
Display specifications			
Type	Analog		
No. of LED	3		
LED indication chart			
Condition	**'ON' LED**	**'ON' LED**	**'ON' LED**
Power ON delay	OFF	OFF	OFF
Healthy	ON	ON	ON
Below operating range	OFF	OFF	OFF
R phase loss	OFF	ON	ON
Y phase loss	ON	OFF	ON
B phase loss	ON	ON	OFF
Phase sequence	Blink every 1 sec	Blink every 1 sec	Blink every 1 sec
R Phase asymmetry	Blink every 1 sec	ON	ON
Y Phase asymmetry	ON	Blink every 1 sec	ON
B Phase asymmetry	ON	ON	Blink every 1 sec
Input specifications			
Operating voltage range	154-520V AC		
Nominal voltage	415V AC		
VA rating	<20 VA		
Frequency	50/60 Hz		
Voltage accuracy	±1% of full range		
Time accuracy	±5% of set value		
Output specifications			
Type of relay	1 SPDT relay (1C/O)		
Relay contact rating	NO: 5A @250V AC / 30V DC (resistive) NC: 5A @250V AC / 30V DC (resistive)		
Electrical endurance	5 x 10^4		
Mechanical endurance	10^7		
Functional specifications			
Phase asymmetry	>40V (L-L)		
Phase failure	>100V (L-L)		
Phase sequence	Yes		
Reset	Auto reset on removal of fault condition		

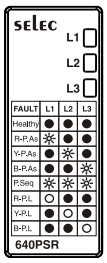
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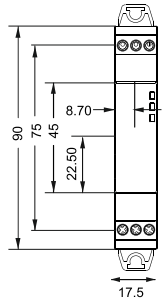
Trip time setting	
Power ON delay	<400msec
Trip time delay	<250msec
Response time	<250msec
Recovery time	<250msec
Environmental specifications	
Operating temperature	0 ºC to +50 ºC
Storage temperature	-20 ºC to +70 ºC
Relative humidity (non-condensing)	Up to 95% RH
Degree of protection	IP20 for terminals IP50 for enclosure
Degree of pollution	
For product	III
For PCB	II
Mechanical specifications	
Mounting	DIN rail mount & Wall mount
Weight	70gms
Screw tightening torque	0.5NM

Terminal connections

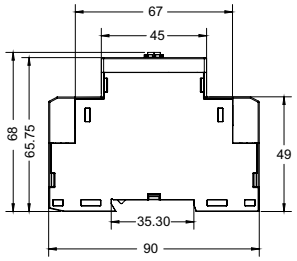




Dimensions (all are in mm)

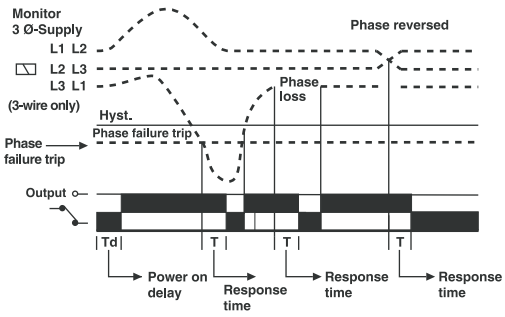


Front View



Side View

Timing diagram



Ordering information

Product code	Supply voltage	Certification
640PSR-CE	154 to 520V AC	CE