900CPR-3-1-BL



DIN 35mm

Display Specifications

Туре	Digital	
Display	Liquid Crystal Display	
No. of LED	1	
No. of Push Button	3	

LED Indication

LED1 (Red)	

Relay (Continuously ON after trip)

Input Specifications

	Functions	
	Measurements	Under current, Over current and Current asymmetry
	Time Settings	Power ON delay, Trip time delay, Recovery time delay
	Alarm Indications	Trip
	Latching	Selectable
	Reset	Auto / Manual
	Electrical Connection	1Ø - 2 wire, 3Ø - 3 wire, 3Ø - 4 wire
	CT Settings	
	CT Primary	1A / 5A - 999A (Selectable)
	CT Secondary	1A / 5A (Selectable)
	Current Rating	
	Measuring Range (RMS Value)	0 - 1.19kA
	Trip Settings	
	Under Current	0 - 999A
		(0 - 100% of CT Primary Setting)
	Over Current	0.5A - 1.19kA
		(10 - 120% of CT Primary Setting)
	Current Asymmetry	5.0 - 99.9%
	Trip Time Settings	
	Power ON Delay	0.5 - 99.9sec
	Trip Time Delay	0 - 99.9sec
	Recovery Time Delay	0 - 99.9sec (In Auto Reset Mode)
	Response Time	<200ms
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Features :

- 1Ø 2 Wire, 3Ø 3 Wire, 3Ø 4 Wire Input
- Monitors Under Current, Over Current & Current Asymmetry .
- **True RMS Measurement** .
- Power ON Delay, Trip Time Delay and Recovery Time Delay .
- Adjustable Switching Hysteresis •
- One Alarm Relay with NC or NO Operation Selectable .
- DIN Rail Mount

Certification : $C \in$

Hysteresis	
Current	0.1 - 99.9A
Resolution	
Current	0.01, 0.1, 1A, 0.01kA (Depends on CT Setting)
Accuracy	
Current Time Setting Accuracy	±1% of Setting ±2 digits ±5% of Setting ± 200ms
utput Specifications No. of Relay	1
Relay Contact	1 C/O (SPDT)
Relay Rating	NO /5A @250V AC
Itelay Italing	
	NC /3A @250V AC
uxiliary Supply Specifications	0

Supply Voltage 230V AC, ±15%

Frequency	50 / 60Hz
Power Consumption	15VA max

Environmental Specifications

Temperature	Operating Temperature : 0° to 50° C Storage Temperature : -20° to 70° C
Humidity (non-condensing)	Upto 95% RH
Pollution Degree	
For PCB	2
For Product	3
Degree of Protection Devices	IP20

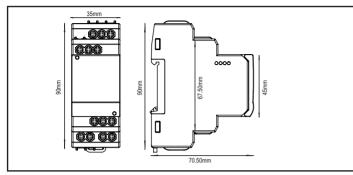
900CPR-3-1-BL

Current Protection Relay

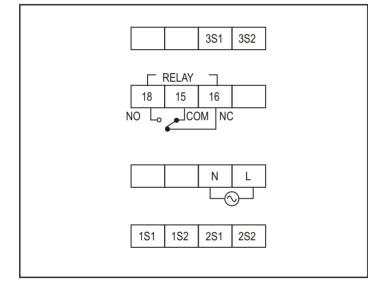
Mechanical Specifications

Mounting	DIN Rail	
Weight	150gms	
Screw Tightening Torque	0.5 NM	

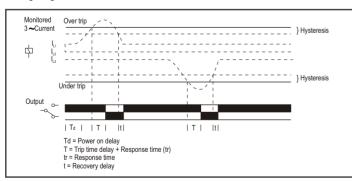
Dimensions



Terminal Connections



Timing Diagram



Compliance

Applicable EMI / EMC Standards			
Product Standard : IEC 60947-2			
Category	Reference Standards	Testing Level	
Electrostatic Discharge	IEC 61000-4-2	Level-3	
Electrical Fast Transient / Brust	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 Emission	CISPR-11	Class-A	
Emission & Immunity	IEC 61326-1		
Safety	IEC 61010-1		

Ordering Information

Product Code	Supply Voltage	Certification
900CPR-3-1-BL-230V-CE	230V AC	CE
900CPR-3-1-110V-CE	110V AC	CE