

Digital 1Ø Current Protection Relay Backlit Liquid Crystal Display

FEATURES

- 1Ø - 2 Wire Input
- Monitors Under current and Over current
- True RMS measurement
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching hysteresis
- Two alarm relay with NC or NO operation selectable
- LCD with backlight
- DIN Rail Mount
- Size: 35mm (Width)



CAT. NO.

900CPR-1-BL-U

Display	
Display Type	liquid Crystal Display with backlight
Digits	1 row of 3 digits
Resolution	Current: 0.01 / 0.1 / 1A / 0.01kA
LED Indication	LED 1: Relay 1, LED 2: Relay 2
Supply Specification	
Input Voltage	85-270 V AC (50-60Hz)
Input Specification	
Input Measurement	Current Transformer-Under Current / Over Current
CT Setting	CT: Primary 1A/5A - 999A / CT secondary 1A/5A (Selectable)
Trip Setting	Under Current: 0-999A / Over Current: 0.5-1.19kA
Current Rating	Measuring Range (RMS Value) 0-1.19kA
Output Specification	
Main Output	SPDT -2 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 0.5-99.9 sec / Trip Time Delay: 0-99.9 sec / Recovery Time Delay: 0-99.9 sec / Response Time: <200ms
Alarm Indications	Trip
Hysteresis	Current: 0.1-99.9A
Latching	Selectable
Reset	Auto/Manual (Selectable)
Power Consumption	4VA max
Electrical Connection	1Ø-2 wire
Accuracy	
Current	+/- 1% of setting, +/- 2 digits
Time Setting	+/- 5% of setting, +/- 100ms
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	150 grams (.33 lbs)
Protection Level	IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)

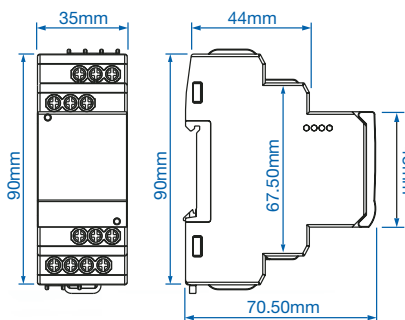
Ordering Information

Part No.	Supply Voltage	CE	RoHS	cULus
900CPR-1-BL-U-CE	85-270V AC	●	●	

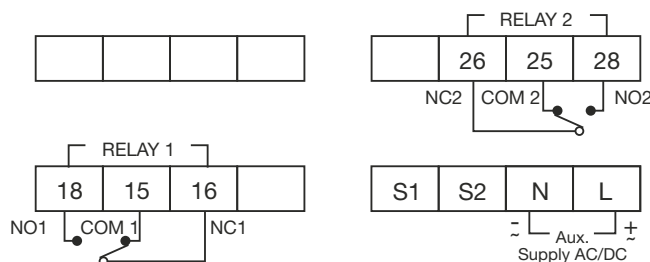
Used with SPCT

See page 12.

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

PROTECTION