PRELIMINARY



# Features:

- Single row, 4 digit , Liquid Crystal Display with Backlight
- 1 CT sensing, intelligent switching sequence
- ALM for over current & over temperature
- Up to 8 Stages

### **Display specifications**

| Туре   | Liquid crystal display with backlight |
|--------|---------------------------------------|
| Digits | 4 digit to show electrical parameter  |

### Input specifications

Rated input voltage 50 to 520V AC

Rated input current range Nominal 5A AC (Min 50mA, Max 6A) 1 CT

Sensing

Frequency 45 - 65 Hz
Wiring Input 2P2W
Power Consumption 7VA Max

Controlling range Target PF : -0.800 to +0.800

Switching Program Automatic

Max Number of Steps 1 to 8

Resolution Voltage: 1V

Current: 0.1V

POWER CONSUMPTION 15VA Max

## **Output specifications**

| Mounting              | Panel Type |
|-----------------------|------------|
| Dimension             | 96 x 96mm  |
| Housing Material Type | Local PC   |

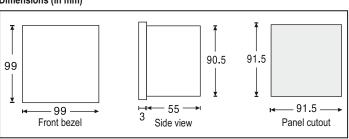
### **Environmental specifications**

| Temperature Operating : 0°C to 60°C; Storage : - 20°C to 60°C; Humidity: 0% to 95% without moisture consideration |  |
|---|--|
|---|--|

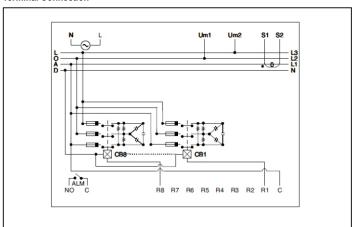
# Mechanical specifications

| Mounting | Panel mount |
|----------|-------------|
| Weight   | 263 gms     |

## Dimensions (in mm)



### **Terminal Connection**



## Compliance

| Applicable EMI / EMC standards                |               |  |  |  |  |  |
|---|---------------|--|--|--|--|--|
| Product standard : IEC 60947-1                |               |  |  |  |  |  |
| Category                                      |               | Standards compliance   |  |  |  |  |
| ESD immunity                                  | IEC 61000-4-2 | Level III (Air Discharge , 8 kV) ;<br>Level II (Contact Discharge , 4kV)   |  |  |  |  |
| Surge immunity                                | IEC 61000-4-5 | 5 2kV Common Mode (Line to ground );<br>1kV differential mode (Line to line)   |  |  |  |  |
| Radiated susceptibility                       | IEC 61000-4-6 | Level III(150kHz to 80MHz) (10V/m)   |  |  |  |  |
| Voltage dips and interruptions IEC 61000-4-11 |               | Dips: 0% during 0.5 cycle (Criteria B);<br>0% during 1 cycle (Criteria B);<br>40% during 10 cycle (Criteria B);<br>70% during 25 cycle (Criteria B);<br>80% during 250 cycle (Criteria B)<br>Interruptions: 0% during 250/300<br>cycles (Criteria C) |  |  |  |  |
| Conducted Emission                            | CISPR 11      | Group 1, Class A (150 kHz to 30 MHz)   |  |  |  |  |
| Radiated Emission                             | CISPR-11      | Group 1, Class A (30 MHz to 1 GHz)   |  |  |  |  |
| Electrical Fat Transien                       | IEC 61000-4-4 | Level III ; 2kV  |  |  |  |  |
| Power Frequency<br>Magnetic Field             | IEC 610004-8  | Continuous Field Level IV; 30A/m;<br>Short Duration level IV: 300 A/m  |  |  |  |  |

# **Ordering information**

| Product code        | Supply voltage          | No. of stages | Certification |
|---------------------|-------------------------|---------------|---------------|
| APFC346-108-230V-CE | 85 - 270V AC, 50 - 60Hz | 8             | C€            |

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