



48mm x 48mm

Features:

- Liquid Crystal Display
- Single row, 4 digit
- Analog style bargraph indication
- True RMS measurement
- CT primary programmable up to 5000A
- For 1 phase 2 wire electrical connection

Certifications: CE 

Technical Specifications

Display

| | |
|---------------|------------------------------------|
| Display | Single row, Liquid Crystal Display |
| Digit | 4 |
| Digit Height | 0.56" (14.2mm) |
| Display Range | 0 – 6200A |
| Bargraph | Analog style bargraph indication |

Input Specifications

| | |
|---------------------------------|---|
| Electrical Connection | 1 Ø-2 wire |
| Input Type | AC |
| Input Current Range | 50mA - 5A |
| Continuous Max. Input Rating | 6.2A |
| Overrange Indication | "Or" for input > 6.2A |
| Frequency | 50 / 60Hz |
| Resolution | 0.001, 0.01, 0.1, 1A (Depending upon CT Primary Setting) |
| Accuracy | ±0.5% of CT Primary Setting |
| Burden | 0.5 VA at 5 A |
| Sampling Rate | 3 samples / second |
| Dielectric withstand Voltage | 2kV AC between auxiliary supply & measuring input |
| Rated Impulse withstand Voltage | 2kV (1.2/50µS) |

Supply Specifications

| | |
|-------------------|---|
| Auxiliary Supply | 240V AC ±20%, (50 / 60Hz) 110V AC ±20%, (60Hz) |
| Power Consumption | 12VA max |

Resettable Parameters

| | |
|-----------------------|---|
| CT Primary Settings | 5, 10, 15, 20, 25, 30, 40, 50, 60, 75, 80, 100, 125, 150, 175, 200, 250, 300, 400, 500, 600, 630, 750, 800, 1000, 1200, 1500, 1600, 2000, 2250, 2500, 3000, 3200, 4000, 5000. |
| CT Secondary Settings | 5A Fixed |

Environmental Specifications

| | |
|---------------------------|--|
| Temperature | Operating: -10 to +55°C (14 to 131°F) Storage: -20 to +75°C (-4 to 167°F) |
| Humidity (non-condensing) | Upto 95% RH |

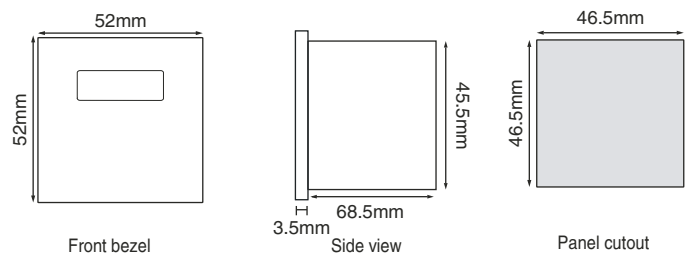
Mechanical Specifications

| | |
|----------|-------------|
| Mounting | Panel mount |
| Weight | 113 gms |

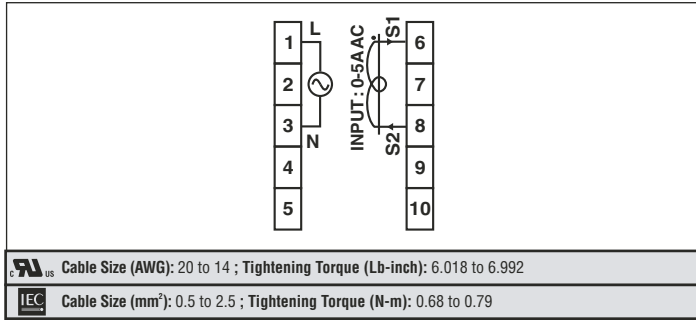
EMC

| | |
|---|---|
| Electromagnetic compatibility | IEC 61326-1 |
| ESD Immunity: IEC 61000-4-2 | Level III |
| Surge Immunity: IEC 61000-4-5 | +/- 2 kV common mode, +/- 1 kV differential mode |
| Radiated Susceptibility: IEC 61000-4-3 | Level III, 80 to 1000MHz Level II, 1GHz to 2GHz Level I, 2GHz to 2.7GHz |
| Conducted Susceptibility: IEC 61000-4-6 | Level II |
| Voltage Dips and Interruption: IEC 61000-4-11 | Dips: 0% residual voltage/1 cycle (Crit B.), 40% residual voltage/10 cycles 50 Hz / 12 cycles 60 Hz (Crit C) 70% residual voltage / 25 cycles 50 Hz / 30 cycles 60 Hz (Crit C) Interruptions: 0% residual voltage / 250 cycles 50 Hz / 300 cycles 60 Hz (Crit C) |
| Conducted Emissions | CISPR-11 & IEC 61000-6-3 |
| Radiated Emissions | CISPR-11 |
| Electrical Fast Transient: IEC 61000-4-4 | Level 3. |

Dimensions



Terminal Connections



Ordering Information

| Part No. | CT Type | Supply Voltage | | Certification | |
|---------------|---------|----------------|---------|---------------|-----------|
| | | 110V AC | 240V AC | CE | UL LISTED |
| MA501 | ■ | | ■ | | |
| MA501-CU | ■ | | ■ | ■ | ■ |
| MA501-110V | ■ | ■ | | | |
| MA501-110V-CU | ■ | ■ | | ■ | ■ |

Note: CT Type-There is an internal CT with CT setting (5-5000A). For current input >5A, external CT is required.

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