



48 x 96mm

Features:

- ▶ Class 0.5 accuracy
- ▶ True RMS current measurement
- ▶ Available in LED display
- ▶ CT programmable up to 6300A

Certifications: CE

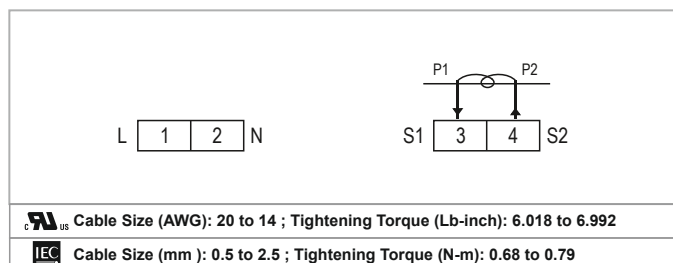
Technical specifications

Display specifications	
Display	7 segment LED display
Digits	4
Display height	0.56" (14.2 mm)
Display range	0 - 9072A
Resolution	0.001, 0.01, 0.1, 1 A (depending upon CT primary)
Input specifications	
Electrical connection	1Ø - 2 wire
Input type	AC
Input current range	50mA - 5AAC
Continuous max. input current	140% of rated current
Accuracy	±0.5% of F.S (CT Primary / Shunt setting)
Over range indication	>7A AC
Frequency range	50/60 Hz
Electrical specification	
Installation category	III
IP Protection	IP51 - front, IP20 - back
Sampling rate	64 Samples / Second
Auxiliary supply specifications	
Auxiliary supply	240V AC ±20%, (50/60 Hz)
Supply frequency	50/60 Hz
Input burden	0.5VA @5A AC
Power consumption	20VA max @288V AC
Settable parameters	
CT Primary setting	5, 10, 15, 20, 25, 30, 32, 40, 50, 60, 63, 70, 75, 80, 100, 125, 150, 160, 175, 200, 250, 300, 350, 400, 500, 600, 700, 750, 800, 1000, 1200, 1250, 1500, 1600, 2000, 2500, 3000, 3200, 3500, 4000, 5000, 6000, 6300
CT Secondary setting	5A fixed
Environmental specifications	
Operating temperature	-10 °C to +55 °C (14 °F to 13 °F)
Storage temperature	-20 °C to +75 °C (-4 °F to 167 °F)
Humidity (non-condensing)	Upto 95% RH
Pollution degree	2

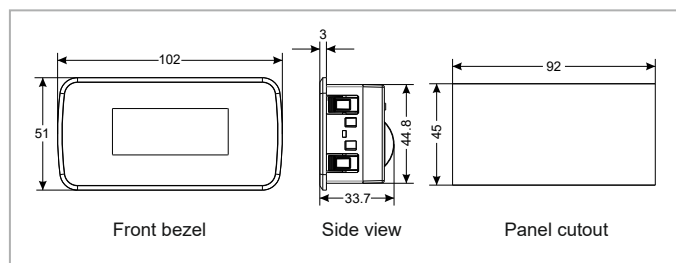
Mechanical specifications

Mounting	Panel mount
Bezel size	48mm x 96mm
Overall depth	33.7mm
Weight	94 gm

Terminal connections



Dimensions (All are in mm)



Standards compliance

Applicable EMI / EMC Standards		
Product standard : IEC 61326 - 1		
Category		Standards compliance
ESD Immunity	IEC 61000 - 4 - 2	Level IV (Air discharge : 15kV), (Contact discharge : 8kV)
Surge immunity	IEC 61000 - 4 - 5	+ / - 2kV Common mode, (Line to ground) + / - 1kV differential mode, (Line to line)
Radiated susceptibility	IEC 61000 - 4 - 3	Level III, 80 to 1000MHz (10V / m) Level II, 1.4GHz to 2GHz (3V / m) Level I, 2GHz to 2.7GHz (1V / m)
Conducted susceptibility	IEC 61000 - 4 - 6	Level II (3V / m)
Voltage dips and interruptions	IEC 61000 - 4 - 11	Dips : 0% Residual voltage / 1 Cycle (Criteria B), 40% Residual voltage / 10 Cycles 50Hz / 12 Cycles 60Hz (Criteria C), 70% Residual voltage / 25 Cycles 50Hz / 30 Cycles 60Hz (Criteria C) Interruptions : 0% Residual voltage / 250 Cycles 50Hz / 300 Cycles 60Hz (Criteria C)
Conducted emission	CISPR - 11	-
Radiated emission	CISPR - 11	-
Electrical fast transient	IEC 61000 - 4 - 4	Level III (2kV)

Ordering information

Product code	Supply voltage	Certification
MA12	240V AC (± 20%)	---
MA12-CE	240V AC (± 20%)	CE