MV205

Voltmeter - Digital

72 x 72mm

Features:

- 3 Digit, 7 segment LED Display
- True RMS Measurement
- For 1 Phase 2 Wire Electrical Network

Certifications: CE c UL us LISTED

Display Specifications

Type of display	Single row, 7 segment LED
Digits	3
Digit Height	0.56" (14.2mm)
Display Range	0 – 516V

Input Specifications

Electrical Connection	1 Ø-2 wire
Input Type	AC
Input Voltage Range	50-480V
Continuous Max. Input Rating	516V
Overrange Indication	"Or" for input > 516V
Frequency	50 / 60Hz
Resolution	1V
Accuracy	±0.5% of F.S
Input Impedance	1MΩ (± 5%)
Sampling Rate	3 samples / second

Auxiliary Supply Specifications

Auxiliary Supply	240V AC ± 20%, (50 / 60Hz) 110V AC ± 20%, (60Hz)
Power Consumption	5VA max

Environmental Specifications

Temperature	Operating: -10 to +55°C Storage: -20 to +75°C
Humidity (non-condensing)	Upto 95% RH

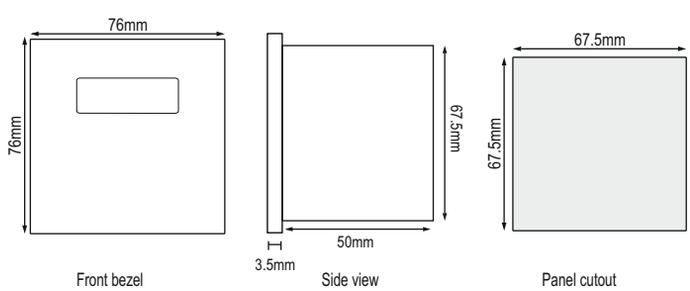
Mechanical Specifications

Mounting	Panel mount
Weight	180 gms

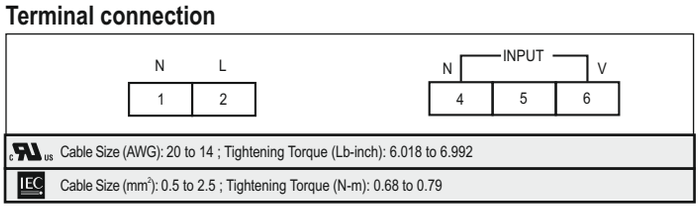
EMC

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 connection



Ordering Information

Product Code	Supply Voltage	
	240V AC	110V AC
MV205	■	