Voltmeter - Digital

MV353



96 x 96 mm

Features:

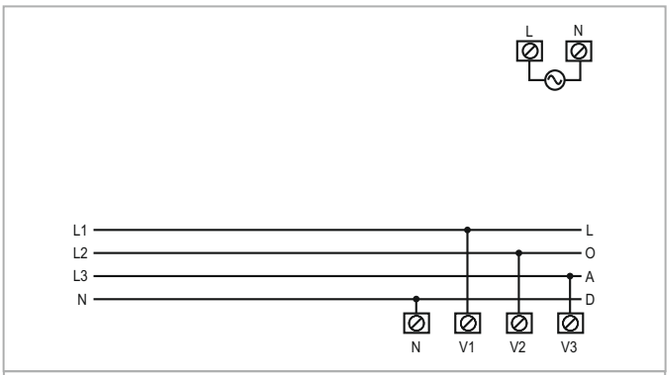
- 3Ø (True RMS) voltage
- Wide auxiliary supply from 40 to 300V AC/DC
- PT primary programmable 550kV
- Run hour
- CE & RoHS certified

Certifications : CE

Technical specifications

Display specifications	
Display	7 segment LED display
Digits	3 rows of 3 digits
Digit height	0.57" (14.5 mm)
Input specifications	
Electrical connection	3Ø-3W & 3Ø-4W
Input voltage rated	11 to 300V AC (L-N); 19 to 600V AC (L-L)
Resolution	Depending on PT ratio
Run hour	0 to 99999.9 hr
Accuracy	Voltage (L-N / L-L) ±0.5% of F.S. ±2 digits
Installation category	Installation category II (600V) Installation category III (35V-480V)
Supply specifications	
Auxillary supply	40-300V AC/DC, (50/60 Hz)
Burden	< 0.5VA @5A per phase
Settable parameters	
PT primary	100V to 550kV AC (L-L) (Programmable for any value)
PT secondary	100V to 500V AC (L-L) (Programmable for any value)
Environmental specifications	
Temperature	Operating: -10 °C to +55 °C Storage: -20 °C to +75 °C
Humidity (non - condensing)	Upto 85%
Mechanical specifications	
Mounting	Panel mount
Weight	180 gm
IP degree of protection	Front: IP65 Back: IP20 Terminal: IP20

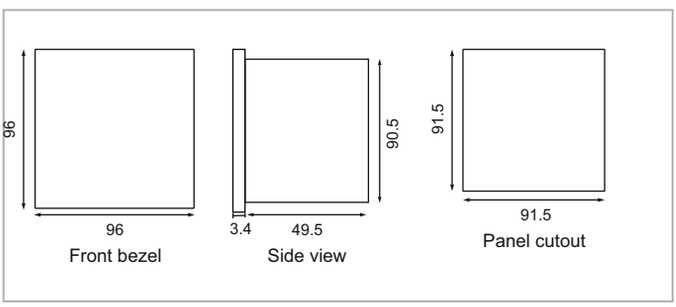
Terminal connections



Cable Size (AWG): 20 to 14; Tightening Torque (Lb-inch): 6.1955 to 7.0806

Cable Size (mm^2): 0.5 to 2.5; Tightening Torque (N-m): 0.7 to 0.8

Dimensions (All are in mm)



Ordering information

Product code	Supply voltage	Certification
MV353-40/300V-CE	40-300V AC/DC, (50/60 Hz)	CE

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 (3V/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)