VAF39A-1

Features :

- 3Ø (True RMS) Voltage
- 3Ø (True RMS) Current
- Frequency
- Run hour (Hour - Mins)
- RPM
- Programmable CT/PT Primary/Secondary

Certifications :

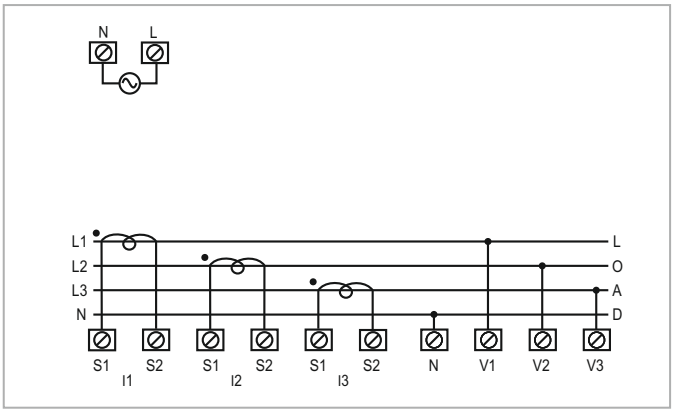
96 x 96 mm

Technical specifications

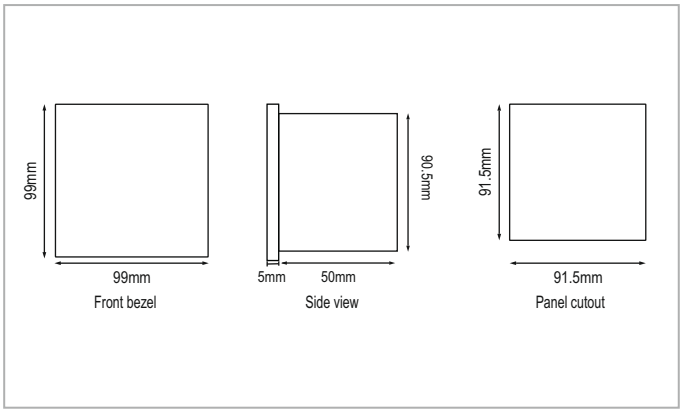
Display specifications	
Display	3 Rows, LED Display
Digit	3
Digit height	0.58" (14.7 mm)
Input specifications	
Electrical connection	3Ø-4W, 3Ø-3W, 2Ø-3W, 1Ø-2W
Input voltage rated	11 to 300V AC, (Phase to neutral), 19 to 519V AC, (Phase to phase)
Input current rated	Nominal 5A (Min-30mA, Max-6A)
Frequency	50 or 60 Hz
Display scrolling	Automatic / Manual (Programmable)
RPM	1350 - 1950 [Pole: 0 (Range: 0 - 98, Selectable in steps of 2), Frequency: 45 - 65Hz]
Resolution	Current & voltage: Depending on CT & PT RPM: 0.1, Run Hour: 0.1hr
Accuracy	Voltage(L-N/L-L): ±0.5% of F.S. ±2 digit Average Voltage (L-N / L-L): ±0.5% of F.S. ±2 digit Current: ±1% of F.S. ±2 digit Average current: ±1% of F.S. ±2 digit Frequency: ±0.1Hz ±1digit Run Hour: ±1% RPM: ±0.5%
Measurements	1) 3Ø Voltage (L-N, L-L, Avg.) 2) 3Ø Current (I1, I2, I3, Avg.) 3) Frequency 4) RPM 5) Run hour
Supply specifications	
Auxiliary supply	230V AC, ±20% (50/60Hz), 110V AC, ±20% (50/60Hz)
Burden	0.5VA @ 5A Per phase
Settable Parameters	
CT Primary	5A to 10,000A (Programmable for any value)
CT Secondary	1A/5A (Programmable)
PT Primary	100V to 500kV (Programmable for any value)
PT Secondary	100 to 500V AC (L-L) (Programmable for any value)
Environment specifications	
Temperature	Operating: -10ºC to +55ºC Storage: -20ºC to +75ºC
Humidity (Non - condensing)	Upto 85% RH

Mechanical specifications	
Mounting	Panel mount
Weight	344gm

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 : 8kV), (Contact discharge : 4kV)
Surge immunity	IEC 61000 - 4 - 5	+ / - 2kV Common mode, (Line to ground)
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
VAF39A-1-230V AC-CE	**230V AC**	CE
VAF39A-110V-CU	110V AC	CE cULus LISTED