



96 x 96 mm

Features :

- 3 Ø (L-N) rms voltage
- 3 Ø (L-N) rms current
- 3 Ø Power factor
- 3 Ø Power (active, reactive, apparent)
- Frequency

Display specifications

| | |
|---------|------------------------|
| Display | 3 rows, 7 segments LED |
| Digits | 3 |

Input specifications

| | |
|-----------------------|--|
| Electrical connection | 3Phase -3Wire, 3Phase-4Wire |
| Input voltage | 11 to 300 V (phase to neutral) 19 to 300 V (phase to phase) |
| Input current range | Nominal AC (Min - 20mA, Max - 6A) |
| Frequency | 45 to 65Hz |
| Power consumption | < 8VA/max |
| Accuracy | Voltage (NL/ LL): ± 0.5% of F Current : ± 0.5% of F Power factor : ± 1.00 Frequency : ± 0.1% of range for-L voltage > 35V Power (active, reactive, apparent) |
| Measuring Parameters | Voltage (L-L N) (individual/average), Current (I1, I2, I3) (individual / average), Frequency, Power factor (individual/average), active power & apparent power (individual / average) |

Supply specifications

| | |
|------------------|--------------------|
| Auxiliary supply | 85V to 276V / 60Hz |
|------------------|--------------------|

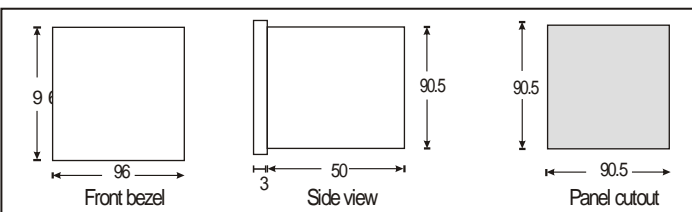
Environmental specifications

| | |
|-------------------------|--|
| Temperature | Operating: 0 to 55 Storage: -25 to 75 |
| Humidity - condensation | upto 85% RH |

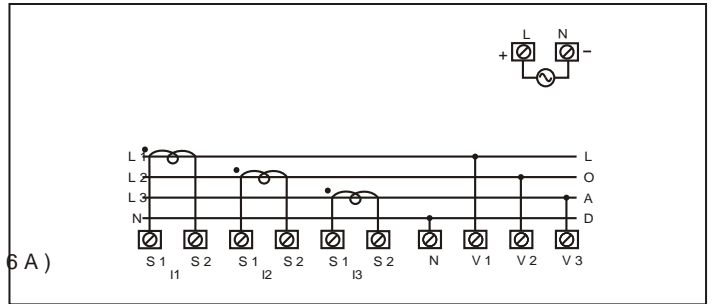
Mechanical specifications

| | |
|----------|-------------|
| Mounting | Panel mount |
| Weight | 191gms |

Dimensions (all are in mm)



Terminal connection



Compliance

| Applicable EMI / EMC Standards | | |
|-------------------------------------|-----------|--|
| Product standard: IEC: 61326 - 1 | | |
| Category | | Standards Compliance |
| EFT (Electrical Fast Transient) | IEC 61000 | Level III (2KV) |
| ES (Electromagnetic Susceptibility) | IEC 61000 | ± 2kV Common mode, (Line to Line) ± 1kV Differential mode, (Line to Line) |
| Voltage dips and interruption | IEC 61000 | Dips 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz / 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) Interruption 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C) |
| ESD immunity | IEC 61000 | Level IV (Air Discharge : 15kV) (Contact Discharge : 8kV) |
| Radiated susceptibility | IEC 61000 | Level III, 80 to 1000MHz (10V/m) Level II, 1.4GHz to 2GHz (3V/m) Level I, 2GHz to 2.7GHz (1V/m) |
| Radiated emission | CISPR - 1 | |
| Conducted emission | CISPR - 1 | |

Ordering information

| Product code | Supply voltage | Certification |
|--------------|----------------|---------------|
| MFM391 | 85V to 276V | --- |