



The Easy Way to Track Energy



ES3M Series

MID Approved

100A Direct Connection

RS485 or M Bus Communication

Monitoring with Enerthings



SPECIFICATIONS

| | ES3M 100S | ES3M 100M |
|------------------------------------|--|------------------------|
| SUPPLY | | |
| Power Supply | From the Measurement Input 184-276V | |
| Power Consumption | <12VA <1W | |
| Supply Frequency | 50Hz | |
| MEASUREMENT | | |
| Accuracy | Class B (EN -50470-1) | |
| Voltage Range | 3 x 230 (400) V | |
| Current Range | 0,25-5(100)A | 0,25-5(100)A |
| Frequency Measurement | Yes for each Phase | |
| Active Energy Measurement Class | Class B (EN-50470-1) | |
| Reactive Energy Measurement Class | Class 2 (EN-62053-23) | |
| Max Current | 100A | |
| Power Factor Measurement | Yes for each Phase | |
| PULSE | | |
| Active Energy Counter Constant | 1000 imp/kWh | |
| Reactive Energy Counter Constant | 1000 imp/kVArh | |
| Active Energy Pulse Indicator | Red LED | |
| Reactive Energy Pulse Indicator | Red LED | |
| COMMUNICATION | | |
| RS-485 | • | - |
| M Bus | - | • |
| RECORDINGS | | |
| Internal Memory | 32kB | |
| Demand Time | Adjustable 1-30 minutes | |
| TARIFF | | |
| Number of Tariff | It is optional; you may contact us for your projects. | |
| Time Clock Accuracy | ±0.5 sn / Day | |
| OUTPUTS | | |
| Number of Digital Output | 2 | |
| Puls Rate | The pulse width is adjustable based on the current; the higher the current, the shorter the pulse width. | |
| BATTERY | | |
| Battery (For RTC) | Unchangeable CR 2032 | |
| Battery Life | 10 Years | |
| DISPLAY | | |
| Energy Display | 6+2 Digits | |
| ENCLOSURE | | |
| Dimension | DIN4 | |
| Protection Class | Terminal: IP20, Front Panel: IP51 | |
| Display | LCD | |
| Button | 2 x Touch Buttons | |
| CONNECTIONS | | |
| Mounting | Rail Mounting | Rail Mounting |
| TERMINAL STRUCTURE | | |
| Main Terminal Wire Cross Section | 2,5-25mm ² | 2,5-25mm ² |
| Digital Output Cable Cross Section | 0,5-1,5mm ² | 0,5-1,5mm ² |
| Communication Cable Cross Section | 0,5-1,5mm ² | 0,5-1,5mm ² |
| AMBIENT CONDITION | | |
| Operating Temperature | -40 - +70°C | |
| Storage Temperature | -40 - +70 °C | |
| Maximum Ambient Humidity | 95%, Non-condensing | |
| STANDARDS | | |
| Standards | EN 50470-1, EN 50470-3 | |

HEADQUARTERS

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