MM200 - MOTOR MANAGEMENT SYSTEM

Low voltage motor protection and control

KEY BENEFITS



Small footprint designed specifically for IEC and NEMA MCC applications

Integrated pushbuttons and LED indicators reduce • external components and wiring

- Flexible DIN rail mounting
- Multiple communication protocols allows simple integration into monitoring and control systems
- Óptional control panel provides local control



Please Call for the Price

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APPLICATIONS

- Low Voltage Three-Phase AC Motors
- MCC and standalone Panel Mount Applications
- IEC NEMA Motor Control Center (MCCs)
- Process control applications

- System architecture requiring multiple simultaneous communications
- FVNR, FVR, two speed

FEATURES

Protection and control

- Motor Thermal Model
- Undercurrent
- Current Unbalance
- Acceleration Time
- Sensitive Ground Fault

- **Built-in Starter Logic**
- FVNR, FVR, Two-Speed
- Auto / Manual Control
- Configurable Inputs

Monitoring and Metering

- Current, Motor Loads, Thermal Capacity
- 1A / 5A combined CT inputs

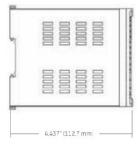
User Interface Optional Control Panel with control push buttons and LED status indicators

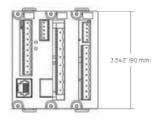
- Communications
- Low voltage motor protection and control Multiple protocols Modbus RTU, DeviceNet or Profibus DP
- Motor Running Time, Cause of Trip, Total Number of Trips
- Includes EnerVista MM200 Setup software for simple Programming and retrieval of system or trip information
- Simultaneous Communications
- Networking through Rs485

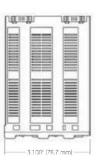
EnerVista™Software

- State of the art software for configuration and commissioning GE Multilin products
- Graphical Logic Designer and Logic Monitor to simplify designing and testing procedures
- · Document and software archiving toolset to ensure reference material and device utilities are up-to-date

DIMENSIONS







ORDERING

MM200	*	X *	*	*	Description
Control Panel	Χ				None
	В				Basic Control Panel, no USB
Power Supply		Ĺ			24 VDC
		Н			60 - 300 VAC
Communication			1		RS485 Modbus RTU + DeviceNet Slave
			2		RS485 Modbus RTU + Profibus DP Slave
Protection				S	Standard Protection & Control

56 2014

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MM300 - MOTOR MANAGEMENT SYSTEM

Integrated automation and protection for low voltage motors

KEY BENEFITS



Please Call for the Price

- Full-featured protection for low voltage AC motors •
- Advanced automation capabilities for providing customized protection and integrated process control
- Reduced installation space requirements through integration of multiple devices including protection, control functions, pushbuttons, status LEDs and communication interfaces
- Application flexibility with multiple I/O options and programmable logic options (FlexLogic $^{\text{TM}}$)
- Enhanced troubleshooting tools including sequence of event records and waveform capture
- Powerful communications including Serial, Ethernet, Profibus, and DeviceNet Protocols
- Small form factor and remote display options designed to fit in MCC buckets

APPLICATIONS

- Low Voltage three phase AC motors
- MCC or stand alone panel mount applications
- Reversing and Reduced Voltage applications
- IEC or NEMA class motors

- Motor applications requiring advanced Automation or Control such as conveyor Systems or well recovery pumps
- Advanced FlexLogic™ reduces requirement for local PLC's

FEATURES

Protection and control

- **Enhanced Thermal Modeling**
- Mechanical Jam / Stalled Rotor
- Undercurrent, Underpower
- Acceleration Time
- **Current Unbalance**

- Ground Fault. Sensitive Ground Fault
- Phase Overvoltage / Undervoltage
- Auxiliary Undervoltage Phase Reversal, VT Fuse Failure
- RTD Overtemperature. Thermistor

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DIMENSIONS

5.599"

Monitoring and Metering

- Metering current, voltage, power, energy, frequency, RTD, Thermistor
- Oscillography analog values at 32 Samples/ cycle and digital states
- Automation
- Starter Control, Process Interlocks
- with 1ms resolution Advanced device health diagnostics

Event Recorder - Up to 256 time tagged events

- Programmable Flexlogic[™] option
- Programmable inputs and outputs
- Undervoltage Auto-restart

Communications

- Networking Interfaces Two Wire RS485, RJ45 Ethernet, Programming Ports USB, RS485
- Multiple Protocols (Modbus RTU, Modbus TCP/IP, Profibus, Devicenet)
- Network Time Protocol (when ordered with Ethernet) user Interface

EnerVista[™]Software

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MM300	Base I/O Expansion Expansion Module 1 Module 2
Control Panel	X X X X X X X X X X X X X Description X None Basic Control Panel, no USB G Graphical Control Panel inc USB
Power Supply Communication	High (60-300 vac/80-250vdc) (Standard) S RS485 Modbus RTU (Standard) D RS485 + DeviceNet Slave + 10/100 Modbus TCP RS485 + Profibus DP Slave + 10/100 Modbus TCP
Options	Standard Control and Event Recorder 1
I/O Modules	X X X X None A

57 2014