EC-MMS-6252-H MACHINE MANAGEMENT SYSTEM CONTROLLER

DESCRIPTION

MMS (Machine Management System) controller with built-in advanced safety and fault-detection features for integrated control of a high number of functions in mobile equipment applications.

OPERATION

It is normally used as the main control unit in a complete machine management system. Two microprocessors and advanced diagnostics for safety applications. CANbus communication. Serial connection for software download.

FEATURES

- · Robust metal enclosure and complete potting.
- Power supply line is protected against reversed polarity and overvoltage.
- · Inputs are protected against short circuits to GND and supply.
- · Outputs are protected against short circuits, reversed polarity, over-current and over-temperature.
- · Dual microprocessor for advanced diagnostics capability.
- · Serial communication ports: CANbus, RS485, RS232.
- · Optional add-on inclinometer.
- +5 V auxiliary power supply for external control devices.
- Performance level d capability according to ISO 13849, thanks to redundant microcontroller and embedded diagnostics.
- Electro Magnetic Compatibility (EMC): EN 61000-6-2 (Immunity), EN 61000-6-3 (Emissions).

SPECIFICATIONS	
Operating voltage:	8.5÷32 VDC
Max current consumption:	400 mA (no load applied)
Operating temperature:	-25°C / +85°C
Degree of protection:	IP 67
Input impedance:	100 kΩ
Analog inputs (10 bits):	16 (0-5 V)
	6 (0-20 mA)
Typical ctrl pot resistance:	1÷10 kΩ
High side power outputs:	8 (5 A max)
	28 (3.5 A max)
High side signal outputs:	10 (0.7 A max)
Digital inputs:	40
Max current load on all outputs:	16 A
Inputs for current feedback:	4
Current output range (PWM):	100÷1600 mA
Analog voltage outputs:	6 (0-5 V)

APPLICATIONS

- 12 VDC and 24 VDC systems.
- · Main ECU for aerial platforms, cranes, telehandlers, agric. machines.
- · Field-adjustable applications.

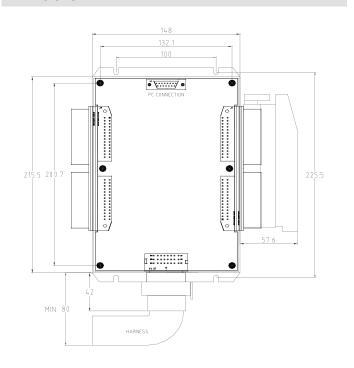
mail: delta@delta-power.com • www.delta-power.com

 Two or more MMS boards can be interconnected by means of 2-wires RS485 serial lines or CANbus.

4484 Boeing Drive Rockford, IL 61109 • USA • Phone +1 (815) 397-6628 • Fax +1 (815) 397-2526

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DIMENSIONS



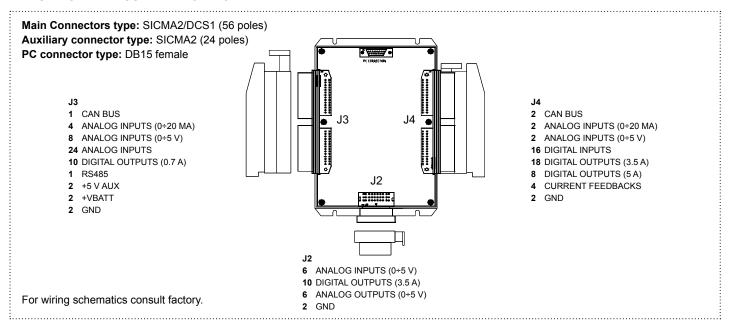
Stainless steel enclosure completely potted.

WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.



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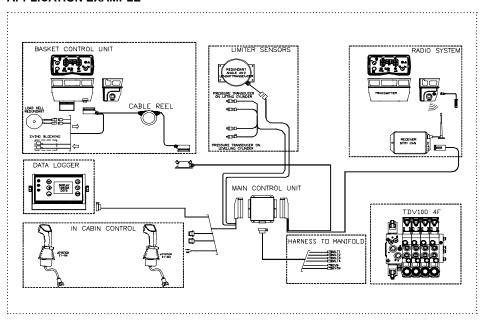
CIRCUIT BOARD PINOUT - WIRING DIAGRAM



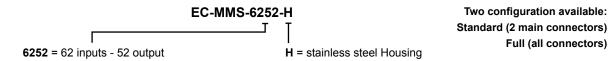
ADJUSTMENTS



APPLICATION EXAMPLE



ORDERING INFORMATION



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