

Analog Stand alone servodrive Midi 140 8x16, Midi 140 14x28 & Maxi 200 25x50 for Brush servomotors. Driving motor ranges up to 5W with tacho generator and armature feedback.

Midi&Maxi-Master

SERVO AMPLIFIER FOR BRUSH DC MOTORS

Midi & Maxi Master is a precision four quadrant regenerative servo drive for permanent dc Brush servomotors. Possible control methods include velocity and torque modes. There are many different velocity modes: tachogenerator feedback and armature feedback. The converters are equipped with an internal power supply and an integrated 200W braking module.

► Midi & Maxi Master advantage

- Compact drive for 1KW, 2KW and 5KW motors
- Versatility, ease-of-use, cost-effective
- For motors with tachogenerator & Armature feedback

► Standard characteristic

- Four quadrant regenerative operation
- AC power supply 3Ph or 1Ph
- 6 diagnostic Leds (State and Alarms)
- Protections for: Over/Under voltage, max. temperature reaches, Over current, I2t motor current, Pre allarm Braking, Max. Braking module.
- Power and signals extractable connectors
- 1 Differential velocity input +/-10V
- 1 Stop input
- Feedback available (series): - tachogenerator - Armature
- Fault drive output (Relays)
- Five Potentiometer adjustments (Speed, offset, gain, derivative, acceleration/deceleration ramp)



► Specifications

- | | |
|------------------------------|------------------------|
| • PWM frequency | 20Khz |
| • Operative temperature | 0/+40°C |
| • Analog inputs range | +/-10Vdc |
| • Current monitor | +/- 8Vdc (At pk curr.) |
| • Auxiliary power supply | +/-10Vdc @4mA |
| • Maximum encoder frequency | 300Khz |
| • Logic level encoder inputs | ≥ +2,8V/+24V |
| • Start signal (Input range) | +9V/+30Vdc |
| • Current loop bandwidth | 2KHz |
| • Velocity loop bandwidth | 150Hz |

MODEL	Midi -Master 140		Maxi -Master 200
AC Voltage 3PH (1) (Vac)	95		150
AC Voltage Range (Vac)	35-110		45 - 160
Size (A)	8/16	14/28	25/50
Rated Current (A)	8	14	25
Peak Current (2) (A)	16	28	50

(1) AC Nominal voltage (2) Peak current (Adc) for 2 sec.

Order code example:

MIDI - 140 X 14/28

Product name

Model

Size (A)

Order code example:

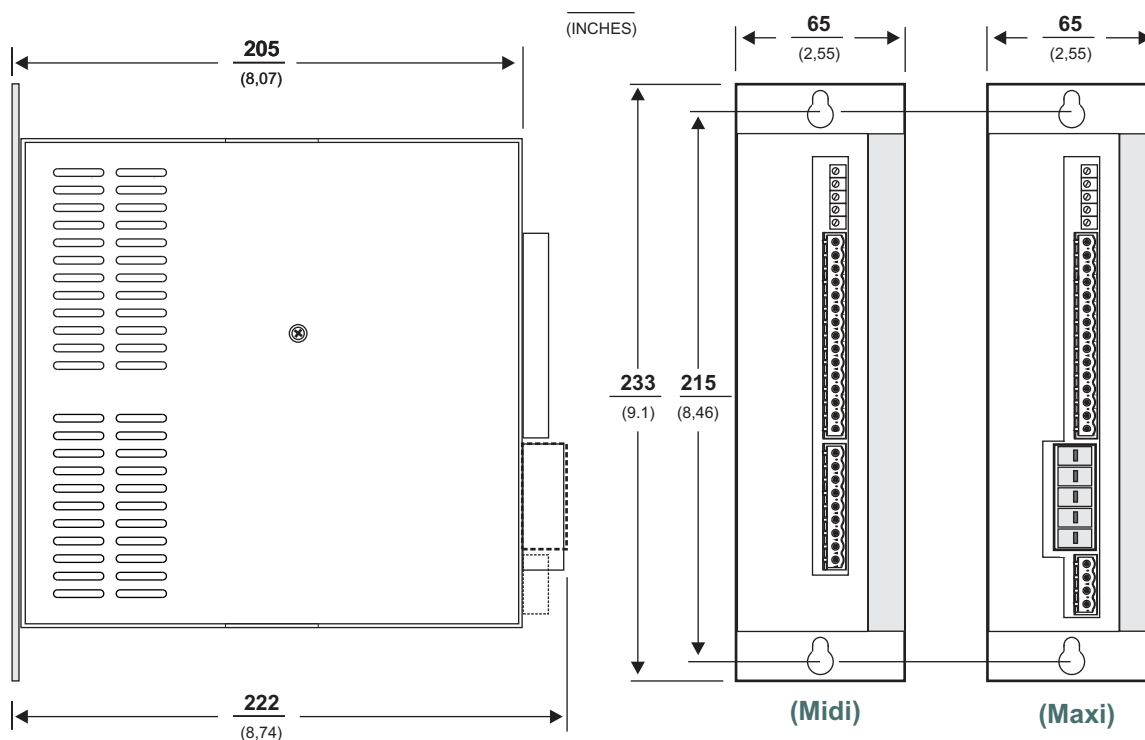
MAXI - 200 X 25/50

Product name

Model

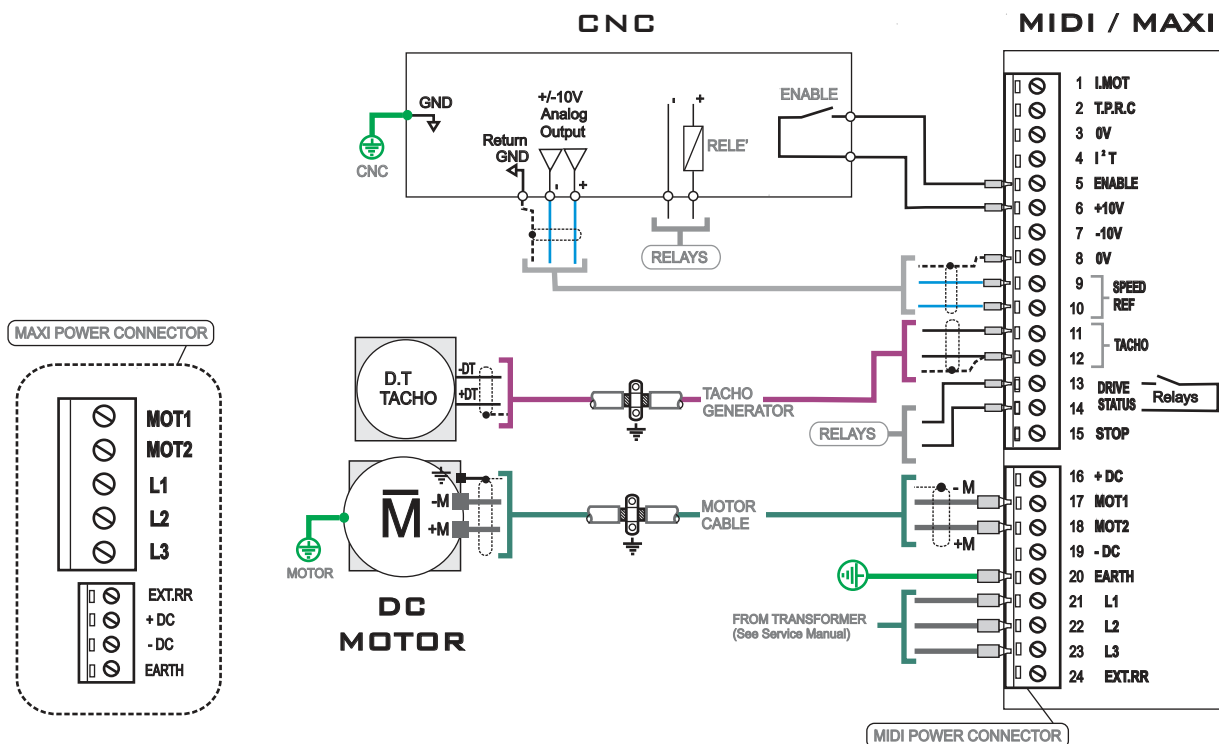
Size (A)

► Mechanical dimensions



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► Typical connection



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