MGMOT

MGMOT board for stepper motors

MGMOT board is manufactured by Sinartis for stepper motors driving in industrial environment where micrometric movements are necessary.
It can drive simultaneously up to three axes.
It is based on a programmable micro-controller and it can be remotely addressed by a serial communication interface.
MGMOT controls up to four limit switches or four general purpose inputs/outputs TTL.

Front connectors and leds

Using the optional boards, MGBUS and MGPWR, **MGMOT** boards can be mounted in a 19" rack up to 8 having so the capability to drive up to 24 stepping motors simultaneously and to be addressed externally by a standard serial interface RS485.

B-DIN 64 p back panel connector

Product Data Sheet
MGMOT OCT 2001

TECHNICAL SPECIFICATIONS

Controlled axes
- 3 axes

Steps/sec
- 1.000 steps/ sec (±100)

Stepper motor driver
- *Toshiba* TA8435H
  (out 1.5 A avarage- 2.5 A peack)

Microcontroller on board
- *Temic* 87C52 14,74 Mhz

Board control
- By standard RS 485 serial interface
  (protocol delivered)

Input/output
- n. 4 TTL optoisolated

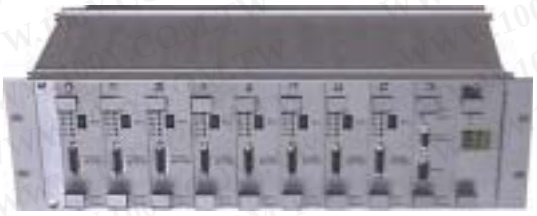
Power IN
- DC stabilized + 24 V -2 A e +5 V-0.3A

Dimensions
- 170x100x25 mm (*Eurocard*)

Connectors
- DSUB 15 pin F for motors phases out
- *Amp-Mod* 8 pin M dual lines for optoisolated I/Os
- *B-DIN* 64 pin M A/B
  for power in and serial interfaces

Display LEDs
- n. 1 LED power on
- n. 3 LED motors are moving
- n. 2 LED TX e RX data communication is activity

Optional
- MGPWR board
  for stabilized power in
- MGPAD is an alphanumeric pad with LCD display
  to move the motors manually by RS-485
- MGBUS Motors board for backpanel in 19" *rack*
- SW Libraries for motor driving under *Windows*



8 MGMOT boards mounted in 19" *rack*
to control up to 24 stepper motors

HOW TO ORDER

Code	Description
8S0769	MGMOT board
8S0764	MGPWR board
8S0767	MGBUS Motors board
8S0768	ALIM board for rack powering
8S0619	MG Pad alphanumeric with LCD display