

GMH Series Drives

GMH is the name of a series of ministep bipolar chopper drives, suitable for driving two-phase stepping motors, with four, six or eight terminals.

GMH drives are realized in single EUROPA format cards (100 x 160 mm.) and are equipped with a 32 pole, DIN 41612 form D connector. They are therefore designed to be assembled inside a RACK, complete with motherboard, that could be supplied as an option by R.T.A.

The wide range of resolutions permits to optimize the application of **GMH** series drives with a wide variety of control systems.

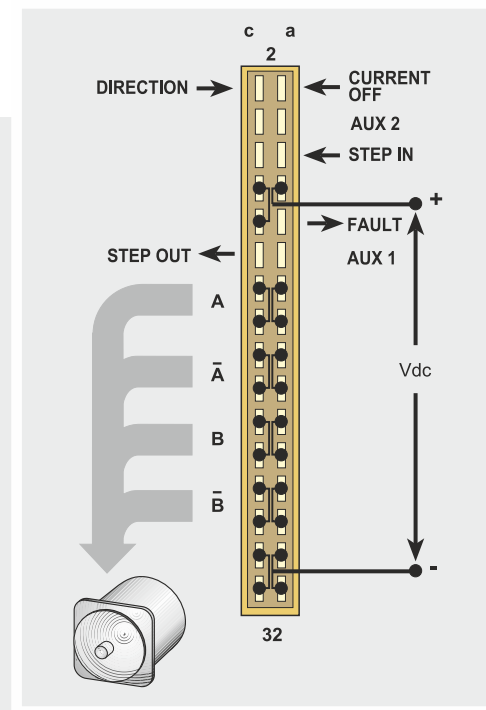
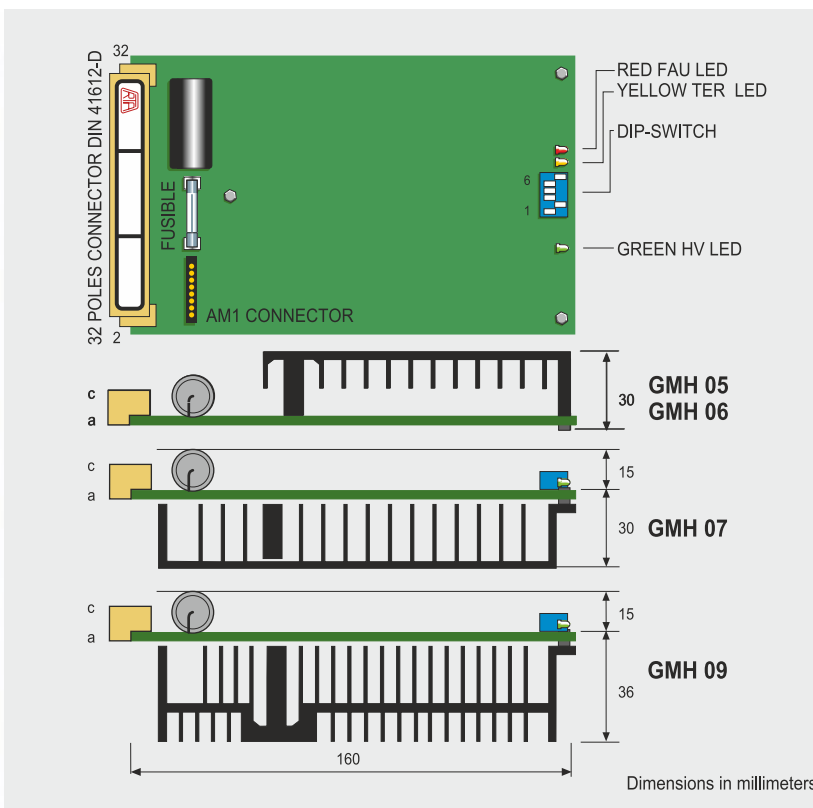
Particular care has been dedicated also to obtain low acoustic noise and reduced motor mechanical vibrations while standard input and output signals ease interfacing with the most common control systems.

TECHNICAL FEATURES

- Operation at 400, 800, 1600, 3200 and 500, 1000, 2000, 4000 steps/revolution.
- Motor phase current setting by means of a DIP-SWITCH. Up to four possible equidistant values between $I_{NF \text{ min.}}$ and $I_{NF \text{ max.}}$ can be set.
- Automatic current reduction at motor standstill.
- Possibility to switch off motor current with an external logic signal.
- Protection against a short circuit at motor outputs.
- Protection against under-voltage and over-voltage.
- Overheating protection.
- Operation with a single external power supply.
- High efficiency CHOPPER with MOSFET final stage output.
- Two separated and co-working electronic circuits to ensure acoustic noise and mechanical vibration reduction at low and medium speed.



Model	V _{DC} range	I _{NF} min.	I _{NF} max.	Dimensions
	(VOLT)	(AMP)	(AMP)	(mm.)
GMH 05	55 to 85	1.6	3	100x160x30
GMH 06	55 to 85	3.5	6	100x160x30
GMH 07	55 to 85	7	12	100x160x45
GMH 09	100 to 180	7	12	100x160x51



Motion Control Systems