

SAC Series Drives

GENERAL DESCRIPTION

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

SAC drives are realized in 101 x 125 x 35 mm format and are equipped with separated connectors for logic signals and power connections. They are designed for easy mounting inside a metal electrical cabinet, by means of spacers or brackets, separately supplied by R.T.A. as an option. They are particularly suitable for stand alone applications.

R.T.A. experience, together with a careful design for these specific purposes, has led to a high reliability component, in spite of its very competitive cost.

The **ministep** operation, connected with a further electronic resonance damping facility, ensures excellent operating smoothness and low acoustic noise.

Optoinsulated and differential input and output signals ease interfacing with the most commonly used control systems and ensure high noise immunity.



Motion Control Systems

R.T.A. STEPPING MOTOR DRIVES catalogue

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} min. and I_{NF} max. can be set.
- ▶ Optoinsulated inputs compatible with differential control.
- ▶ 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 supply voltage.
- ▶ High efficiency CHOPPER with MOSFET final stage output.
- ▶ Electronic damping facility for a further acoustic noise and mechanic vibrations reduction at low and medium speed.

Models	V _{AC} range	I _{NF} min.	I _{NF} max.	Dimensions
	(VOLT)	(AMP)	(AMP)	(mm.)
SAC 25	24 to 50	1.7	3	101x125x35
SAC 26	24 to 50	3.4	6	101x125x35

