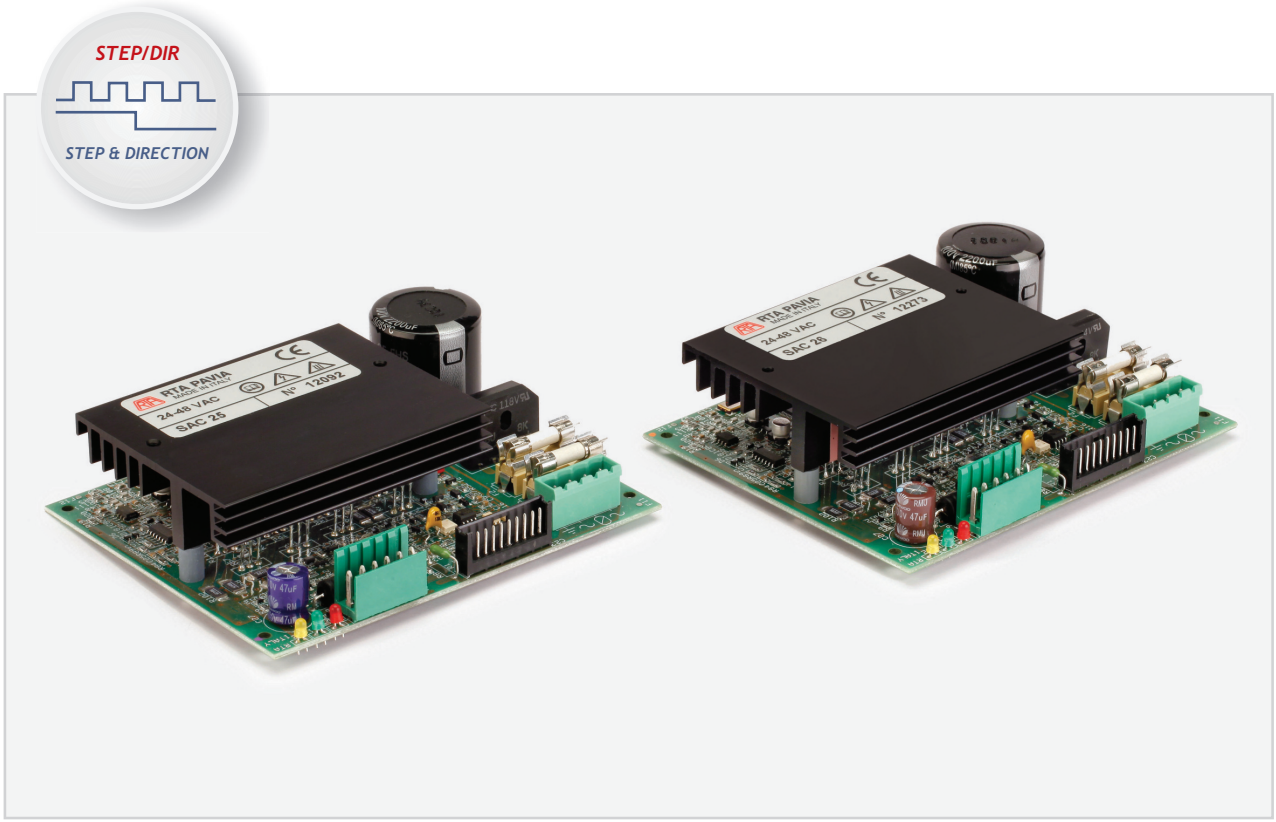
SAC Series Drives



INTRODUCTION

- Series of ministep bipolar chopper drives, suitable for driving medium power two-phase stepping motors, with four, six or eight terminals.
- Compact, easy to use and cost effective solution. This system is designed for easy mounting inside a metallic electrical cabinet.
- Equipped with power supply and particularly suitable for stand-alone applications (AC input).
- Target: medium and medium-low power applications without special configuration requirement, but needing great dynamic performance, high reliability, low acoustic noise and mechanic vibrations reduction .

HIGHLIGHTS

- Microstepping function up to 4.000 step/rev.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction at low and medium speed.
- Separated connectors for logic signals and power connections.
- Optoinsulated and differential input and output signals ease interfacing with the most commonly used control systems.

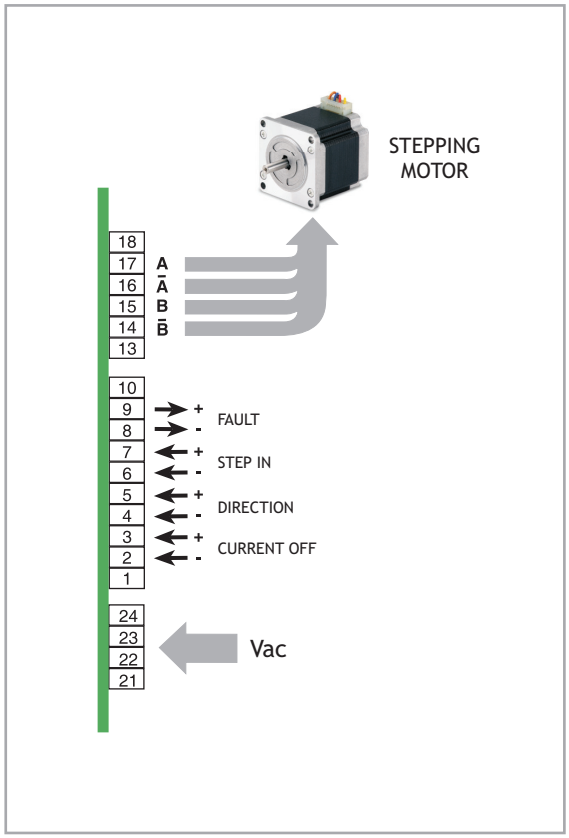
Series	Model	V_{AC} range	I_{NP} min. (Peak value)	I_{NP} max. (Peak value)	Dimensions
		(Volt)	(Amp)	(Amp)	(mm)
SAC	25	24 to 50	1.7	3.0	101x125x35
SAC	26	24 to 50	3.4	6.0	101x125x35

TECHNICAL FEATURES

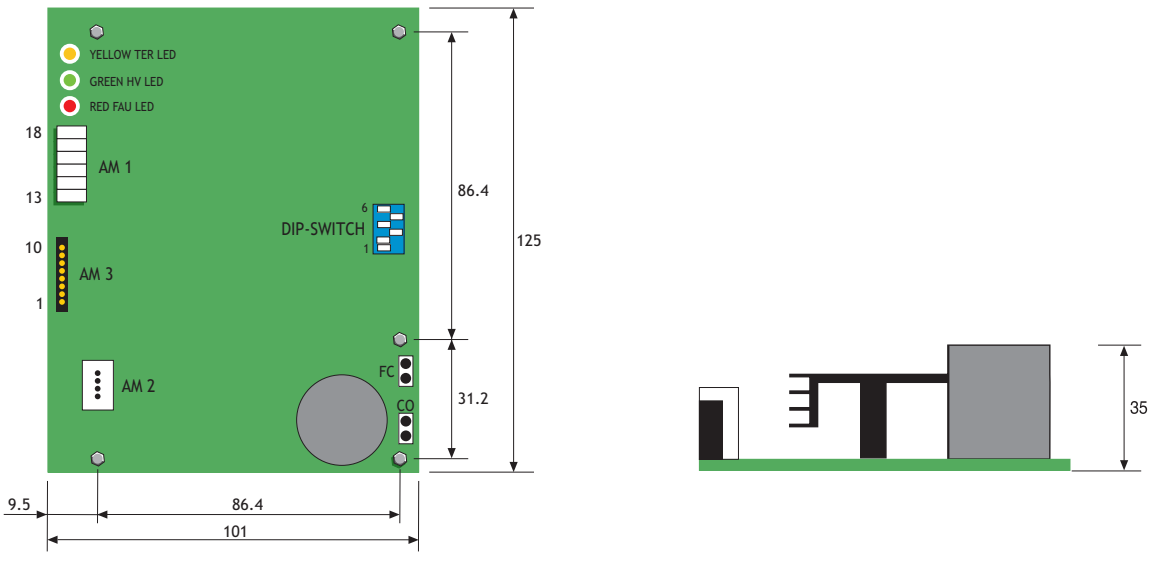
- Range of operating voltages: 24-50 V_{AC}.
- Range of current: 1,7-6,0 Amp. Setting up to four possible values by means of dip-switches.
- Microstepping: 400, 800, 1.600, 3.200 and 500, 1.000, 2.000, 4.000 steps /revolution. Setting by means of dip-switches.
- Automatic current reduction at motor standstill.
- Protections:

  -Protection against under-voltage and over-voltage.
  -Protection against a short-circuit at motor outputs.
  -Overtemperature protection with thermal sensor.
- Optoinsulated inputs compatible with differential control signals.
- Possibility to switch off motor current with an external logic signal.
- Operation with a single external supply voltage.
- High efficiency CHOPPER with MOSFET final stage output.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction at low and medium speed.
- Warranty: 24 months.

POWER AND LOGIC CONNECTIONS



MECHANICAL DIMENSIONS



Dimensions in millimeters - Not in scale.