

PLUS A / B Series Drives

GENERAL DESCRIPTION

PLUS A and **PLUS B** are series of ministep bipolar chopper drives, suitable for driving two-phase stepping motors with four, six or eight terminals.

PLUS A (39-140 V_{DC}) and **PLUS B** (28-100 V_{AC}) series drives are housed in a metallic box, 152 x 129 x 46 mm format, suitable for wall mounting.

They do not need external fans: accordingly, they are ideal both for mounting inside a metallic electrical cabinet and for stand-alone applications.

The wide range of available current/voltage values optimizes the use of **PLUS A** and **PLUS B** series drives with a wide variety of stepping motors and in a large number of applications.



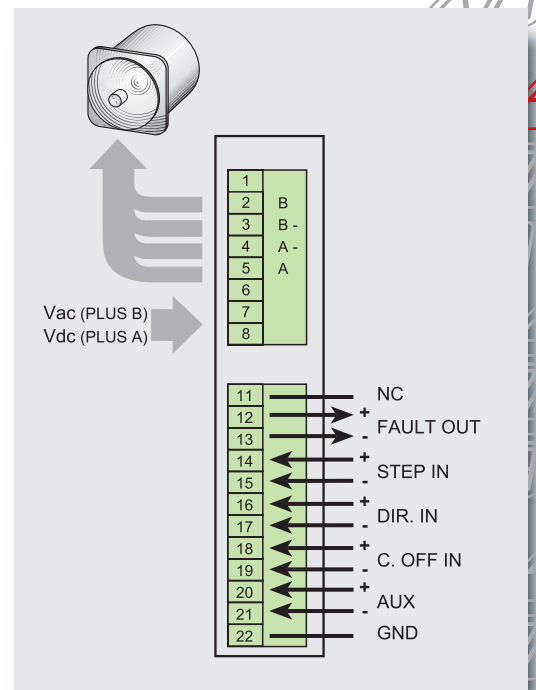
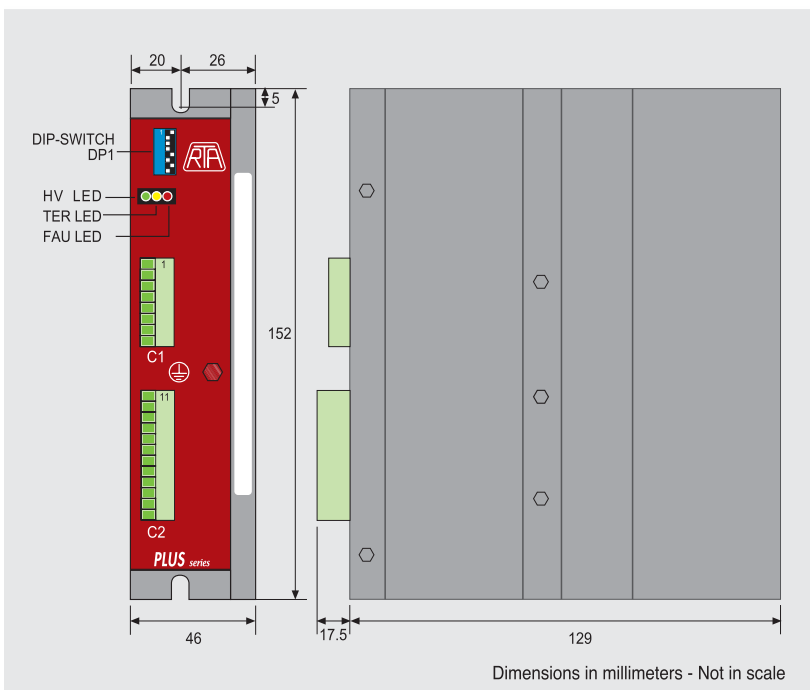
Motion Control Systems

R.T.A. STEPPING MOTOR DRIVES catalogue

TECHNICAL FEATURES

- Wide range of operating voltages (in AC and DC) and motor phase currents setting. Up to 8 possible equidistant values between I_{NF} min. and I_{NF} max. can be set by means of DIP-SWITCH.
- Operation at 400, 800, 1600, 3200 and 500, 1000, 2000, 4000 steps/revolution.
- Automatic current reduction at motor standstill.
- Protection against a short circuit at motor outputs.
- Protection against under-voltage and over-voltage.
- Overheating protection with thermal sensor.
- Optically insulated inputs compatible with differential control signals.
- Possibility to reduce motor current with an external logic signal.
- High efficiency CHOPPER with MOSFET final stage output.
- Electronic resonance damping circuit to ensure acoustic noise and mechanical vibrations reduction at low and medium speed.
- Operation with built-in oscillator with speed range from 14 to 450 rpm setting by means of DIP-SWITCH.
- Alarm memory by use of yellow blinking led.

Model	V _{AC} range	V _{DC} range	I _{NF} min. (Peak value)	I _{NF} max. (Peak value)	Dimensions
	(VOLT)	(VOLT)	(AMP)	(AMP)	(mm.)
PLUS A3		39 to 85	2.4	8	152x129x46
PLUS A4		77 to 140	1.9	6	152x129x46
PLUS B3	28 to 62		2.4	8	152x129x46
PLUS B4	55 to 100		1.9	6	152x129x46
PLUS B7	28 to 62		3	10	152x129x46



R.T.A. s.r.l.
Via E. Mattei - Fraz. Divisa
27020 MARCIGNAGO (PV) ITALY
Tel. +39.0382.929.855 - Fax +39.0382.929.150
www.rta.it

R.T.A. Deutschland GmbH
Bublitzer Straße, 34
40599 DÜSSELDORF (Germany)
Tel. +49.211.749.668.60 - Fax +49.211.749.668.66
www.rta-deutschland.de

R.T.A. IBERICA-Motion Control Systems S.L.
C/Generalitat 22, 1° 3°
08850 GAVA - BARCELONA (Spain)
Tel. +34.936.388.805 - Fax +34.936.334.595
www.rta-iberica.es