

BCW *Series Drives*



GENERAL DESCRIPTION

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

Drives are housed in a metallic box, 262 x 234 x 70 mm format. They are equipped with internal power supply and no external fans are required: accordingly, they are ideal for high power stand-alone applications.

R.T.A. experience together with a careful design for these specific purposes have led to a high reliability component, with power at the max values among the drives available on the market, together with great ease of use and mounting simplicity, all at a very competitive cost.

The high current and voltage values of these drives allow the use of a stepping motor in previously unforeseen applications: for these reasons they are particularly suitable to be used with larger motors of traditional and high-performance series.

Motion Control

TECHNICAL FEATURES

- ▶ Operation at 200, 400 and 800 steps/revolution.
- ▶ Motor phase current setting by means of a DIP-SWITCH up to eight possible equidistant values, between I_{NF} min. and I_{NF} max. values indicated below.
- ▶ 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.
- ▶ Operation with a single external alternate supply voltage.
- ▶ Protection against under-voltage and over-voltage.
- ▶ Overheating protection.
- ▶ High efficiency CHOPPER with high strength IGBT final stage output.
- ▶ Electronic resonance damping facility.
- ▶ Wide range of alternate supply voltage.
- ▶ Possibility to connect more drives to a single transformer.

	V_{AC} range	I_{NF} min.	I_{NF} max.	Dimensions
	(VOLT)	(AMP)	(AMP)	(mm.)
BCW 02	130 to 175	5.8	14	248x234x70

