

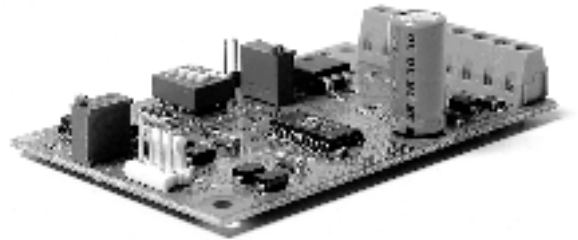
SAMOTRONIC 102

Electronics for Stepper Motors

Driver Board with microcontroller for customised control features

SAMOTRONIC 102

Driver	for bipolar motors
Dimensions (mm)	∅ 84 x 54
Supply voltage (VDC)	■ standard version 10–24 ■ enhanced version 10–42
Motor current	■ constant current drive (chopper controlled) ■ adjustable via potentiometer
Step mode	full/half step
Clock source	internal or external
Control inputs to	■ inhibit internal clock ■ inhibit motor current ■ change direction of rotations
Configuration	via DIP-switch
Test pins	■ motor current ■ step frequency



Preferred Range

Ordering Reference	
4 636 6733 0	10–24VDC supply voltage (standard version)
4 636 6733 3	10–42VDC supply voltage (enhanced version)
If motors are also to be ordered please state: "with MTA-100 receptacles for use with SAMOTRONIC102".	

Technical Data

Supply voltage	10–24 (42)VDC
Phase current	71–500 mA, on request max. 735mA/ph
Chopper frequency	typ. 20kHz
Control signal level	LS-TTL (0–5V) for all control inputs
Internal clock	50–1325 Hz
External clock	up to 2 kHz
Dimensions	84 x 54 mm
Operating temperature	–20 to +60 °C
Storage temperature	–20 to +80 °C

Dimensions

