

SMCD14

STEPPER MOTOR CONTROLLER



DESCRIPTION

The SMCD14 Stepper Motor Control Device is designed for controlling the low and high power stepper motors in applications.

APPLICATIONS

The SMCD14 device is mainly recommended for precision transfer systems, e.g. manipulators, sample transfer systems etc.

TECHNICAL DATA

Supply voltage	230 VAC, 50-60 Hz (power consumption max 70 W)
Compatible stepper motors	<ul style="list-style-type: none">2 phase bipolar, motor current up to 3 A/phaseMotor power supply 24VDefault microstepping mode: 1/16 step (3200 steps per motor rotation)Other modes available
Encoder options	Quadrature incremental encoder with or without differential RS422 line driver. Default for on-shaft rotary encoder 500CPR (2000 imp/rev)
External inputs	<ul style="list-style-type: none">2 limit switches inputs for over-travel protectionReference position signal, for accurate position detectionEnabling signal for interlocking motor movement
Indicators	Led indicators informing of current movement events and errors
Communication interface	Modbus RTU protocol over dedicated RJ45 connector allow to connect multiple devices in a chain system
Dimensions	106 × 128 × 240 mm (W×H×D), 1/4 width, 3 units height, mounted in the 19" rack
Weight (approx.)	1.4 kg



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