MOTION CONTROLLER 4-QUADRANTS 90VDC 18 AMP

Brushless electronic board,
(encoder –linear hall sensor-sincos-hall digital sensor) and dc motors.

Supply	• Logic power supply 15Vdc.-.48Vdc ±5% • Power supply 12Vdc... 90Vdc ±5% • No-load current Max 150mA •
Current	• Rated current MAX 16A ±5% • Double peak current of rated current, MAX 30A ±5% • Limiting current and intervention parameterizable limiting time from 0 to 9.9 seconds
Conditioning	• Working temperature: 0..40 °C • Storage temperature: -45..+80 °C
Power Signals	• Four inputs for logic and power supply • Three outputs for the motor phases (two in the case of Brush DC motor) • Two outputs connect a brake resistor
Motor signals	12-pin connector for connection of: • • Single-end encoder and line-drive encoder (and digital hall for timing) • Analog Halls • Digital Halls • Sincos sensor
Communication Interfaces	• RS232 serial for connection to personal computer • RS485 serial with ModBus RTU protocol • OPTIONAL CAN BUS

User interface	• Up to five optoisolated digital inputs to select programmable positions and speeds. • Optoisolated digital input with triple function: • Homing sensor for zeroing in position control. Reverse input in speed-only control pulse train input • Optoisolated digital input with dual function: • Input for engine start in position and speed control • Reverse input in pulse train control • Optoisolated digital input for motor enablement. • Optoisolated digital input with triple function: • Input for Jog positive motor • Input for positive limit switch • Input for fourth selector for speed or position control • Optoisolated digital input with dual function: • Input for Jog negative motor • Input for negative limit switches • Analog input speed/current regulation range -10..10Vdc ±5%. • Analog tachymeter output in speed/current voltage 0..10Vdc ±5%. • Four digital outputs with internal pull-up resistance, current up to 50mA multifunction: • Required position reached • Required speed reached • Moving engine signal • Homming report performed • Digital output with internal pull-up resistance, current up to 50mA for fault drive alarm signaling.