

EASY MC-SMC, Motion control for stepper motors

- Direct control of stepper motor.
- For bipolar motor.
- Open loop control.
- Wide electric characteristics.
- Wide opportunities of use.
- Ideal for control of simple systems.
- Attractive replacement of pneumatic and hydraulic systems.
- Easier programming and control.
- 24V industrial interfacing.



Description :

EASY SA is specialized in research and development of products which combine **quality, robustness and universality**. In this range of products, Easy MC-SMC is the ideal choice for all applications requiring high reliability control. It allows to replace pneumatic or hydraulic systems cheaply. The possibilities of simplified controls and interfacing with standard industrial systems are important assets. Easy MC-SMC has been developed for industrial applications with a budget without competition.

Standard product :

- Case with screws / DIN rail mounting
- Connections with screw terminals
- Control of bipolar stepper motor
- 4 positions free programmable
- 2 positions controlled with sensors
- Independent speed/acceleration setting
- Movements controlled by 24V line
- Settings change during operation
- Saving settings in a non-volatile memory
- Manual and automatic reference
- Galvanic separation inputs-outputs
- Visual indications of system status
- General setting by RS 232
- Universal protocol ASCII

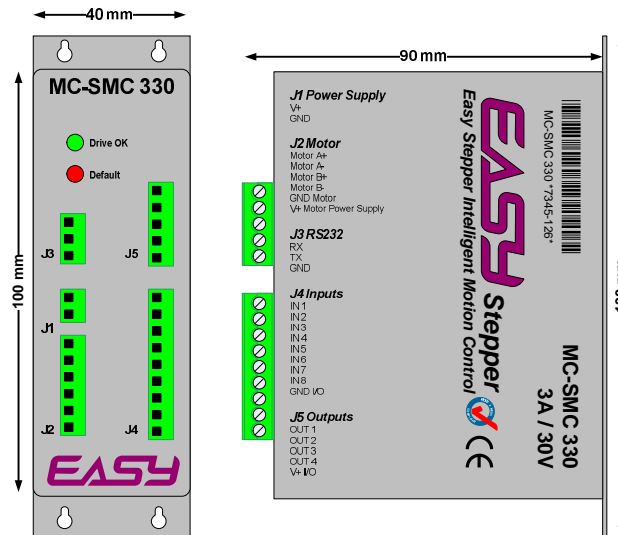
Technical specifications

Logical voltage (Vdd)	8 - 30VDC
Motor voltage (Vm)	8 - 30VDC
Interface voltage (Vcc)	12 – 30VDC
Logical supply current	50mA
Max. motor current per phase	3A rms
Limitation of motor current	20-50-70-100%
Control of motor steps	1/1 -1/8 - 1/16
Steps frequency	10KHz
Max. speed of motor (1/1)	3'000 min ⁻¹
Digital outputs	4 x PNP
High level output voltage	Vcc-1VDC min
Low level output voltage	<1.5VDC
Max. output current	50mA
Resistant to short circuits	yes
Digital inputs	8 x
High level input voltage	>10VDC
Low level input voltage	<2VDC
High level input current	<5mA
Temperature of use	-10°C to 45°C
Relative humidity non condensed	RH85% max.

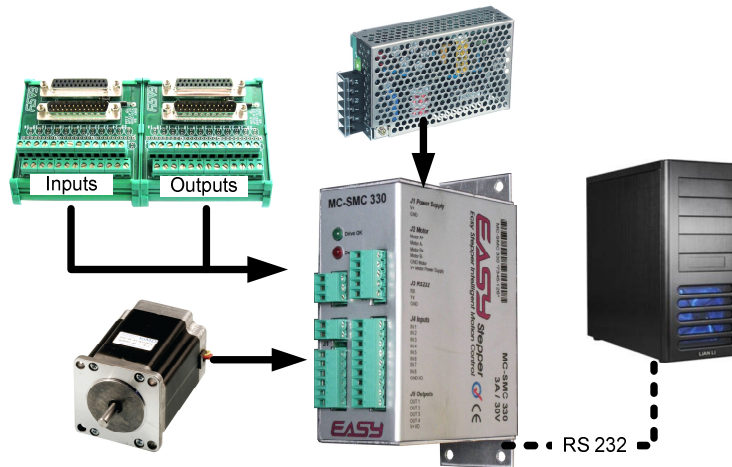
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The specifications below correspond to the standard product.

Mechanical specifications



Wiring diagram



Indicative price

1 piece	CHF 419.-
5 pieces	CHF 310.- / piece
10 pieces	CHF 252.- / piece
50 pieces	CHF 221.- / piece
100 pieces	CHF 198.- / piece
200 pieces	CHF 192.- / piece