



SOFTWARE



TECHNICAL DATA

Operating voltage	12-48 VDC +/- 5%
Rated current (RMS)	6 A (C5-E-1-09), 10 A (C5-E-2-09)
Peak current (RMS)	6 A (C5-E-1-09), 30 A (C5-E-2-09)
Motor controller	Open-loop stepper motor, closed-loop stepper motor with encoder, BLDC with sinusoidal commutation via hall sensor, BLDC with sinusoidal commutation via encoder
Operating modes	Profile position mode, velocity mode, homing mode, cyclic sync position mode, cyclic sync velocity mode, cyclic sync torque mode, clock/direction mode, application program (NanoJ)
Interfaces	CANopen and micro USB
Encoder	5 V single-ended signal, max. resolution 65536 CPR (16 bit), UVW connection for hall sensor
Hall sensor	5 V single-ended signal
Inputs	5 digital inputs (5 V or 24 V, separately switchable in the software) 1 analog input 10 bit, 0-10 V or 0-20 mA (switchable in the software) 1 analog input 10 bit, 0-10 V
Outputs	3 transistor outputs (open drain, max. 24 V/100 mA)
Size	140x74x28 mm
Protective circuit	Overtemperature, overvoltage (ballast switching), protection against polarity reversal (fuse required in supply cable)

VERSIONS

Type	Min. Operating Voltage V	Max. Operating Voltage V	Rated Current (RMS) A	Suitable for	Weight kg
C5-E-1-09	12	48	6	Stepper Motors, BLDC Motors	0.27
C5-E-2-09	12	48	10	Stepper Motors, BLDC Motors	0.27

ORDER IDENTIFIER

C5-E-
1-09 = low-current version
2-09 = high-current version



ACCESSORIES

ZK-M12-8-2M-2-PADP	M12 Cable
ZK-M12-12-2M-2-PADP	M12 Cable
ZK-MICROUSB	USB Cable
ZK-NOE-10-500-S-PADP	Encoder Cable
ZK-PADP-12-500-S	Encoder Cable



CAUTION



We recommend using a back-up capacitor of sufficient size to stabilize the operating voltage.

DIMENSIONS (IN MM)

