



SOFTWARE



TECHNICAL DATA

Operating voltage	12-72 VDC
Phase current	Rated current: 6 A, max. 9 A (rms)/SMCI36-L: phase current 2.2 A, max. 3.3 A
Interface	RS485 4-wire or CANopen
Operating type	RS485: position, speed, flag position, clock-direction, analog, joystick CANopen: position, homing mode, velocity mode, interpolated position mode (as per CAN standard DS402), torque mode
Operating mode	1/1, 1/2, 1/4, 1/5, 1/8, 1/10, 1/32, 1/64, adaptive microstep, feed constant
Step frequency	16 kHz in full step; in microstep, corresponding multiples (e.g. up to 1MHz at 1/64)
Inputs	6 digital inputs (TTL), 1 analog input +10/-10 V
Outputs	3 digital outputs (open drain)
Position monitoring	Yes, depending on encoder
Current reduction	Adjustable 0-100%
Protective circuit	Overvoltage, undervoltage and heat sink temperature >75°C
Temperature range	0 to + 40°C

VERSIONS

Type	Min. Operating Voltage V	Max. Operating Voltage V	Rated Current A	Suitable for	Interface	Weight kg
SMCI36	12	72	6	Stepper Motors, BLDC Motors	RS485 or CANopen	0.11
SMCI36-L	12	72	2.2	Stepper Motors, BLDC Motors	RS485 or CANopen	0.11

ORDER IDENTIFIER

SMCI36 = RS485 interface
SMCI36-3 = CANopen interface

ACCESSORIES

ZK-RS485-USB Converter
Z-K10000/100 Charging Capacitor
ZK-WEDS-300-S-SMCI35 Encoder Cable
ZK-ZHR5-90 Connection cable
ZK-ZHR6-500 Connection cable
ZK-SMCI35-LD Encoder Cable

CAUTION

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

DIMENSIONS (IN MM)

