SMCI 46

Compact positioning module with integrated power driver up to 6 A/phase

Technical data:

Operating voltage: DC 24 V to 48 V
Phase current: 2.5-6 A / phase (via RS232)
Operating mode: Bipolar chopper driver
Operating mode: Full (1/1), 1/2, 1/4, 1/5, 1/8, 1/10 (tenth step)
Step adjustmen: via RS232
Step frequency: 100 to 12000 kHz
Test mode: via buttons T+ and T-
Current reduction: automatic to 0% or 30% via RS232
Input signals: Optocoupler 5 V (24 V)
LED: Power (operating voltage), RUN (output running)
Error indication (overtemp. > 80°C, short circuit)
Temperature range: 0 to + 40°C
Connection type: Pluggable screw terminals for AWG24 - 12
Attachment method: Screw-on (optional on DIN mounting rail)
Protection class: IP20
Weight: 650 g

Attention: The supply voltage must have a charging capacitor with at least 4700 µF (Z-K4700/50) so that the permitted voltage is not exceeded during the braking procedure.

Input wiring

Optocoupler (5 V or 24 V)
Reset, enable, start, limit switch

Ordering designation: SMCI46-□
1 = Standard
2 = Without fan
1-REF = Reference travel after switching on

Programming software:
NANOPRO-SMCI46 is available online at: www.nanotec.de/download
A detailed manual can be found on the Internet at: www.nanotec.de

Connections and functions

Suitable programming cable: Z-ANSCHLUSSKABEL-RS232BU-ST
(to 9-pin D-SUB socket)