

SMCI 46

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



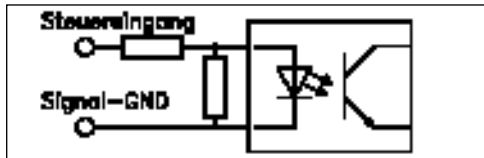
Technical data:

Operating voltage:	<u>DC 24 V to 48 V</u>
Phase current:	<u>2.5-6 A / phase (via RS232)</u>
Operating mode:	Bipolar chopper driver
Operating mode:	Full (1/1), 1/2, 1/4, 1/5, 1/8, 1/10 (tenth step)
Step adjustment:	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

