SMC46

SMC46 compact microstep power driver with 6A / phase in a robust metal housing

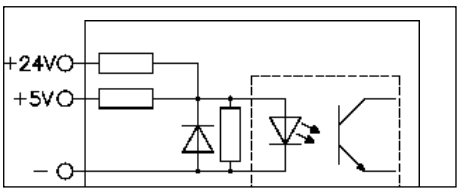
Technical data:

Operating voltage:	DC 24 V to 72 V
Max. phase current:	2.5 - 6 A / phase (via DIP switches)
Operating mode:	Bipolar chopper driver
Operating mode:	1/1, 1/2, 1/4, 1/5, 1/8, 1/10, 1/32
Step adjustment:	via DIP switches
Step frequency:	0 to 50 kHz
Manual travel:	via buttons T+ and T-
Current reduction:	automatic to 0% or 30%
Input signals:	Optocoupler 5 V (24 V)
LED:	Power (operating voltage) Error indication (overvoltage, overtemp.> 80°C, short circuit)
Temperature range:	0 to + 40 °C
Connection type:	Pluggable screw terminals for AWG24 - 12
Attachment method:	on DIN mounting rail
Protection class:	IP20
Weight:	650 g

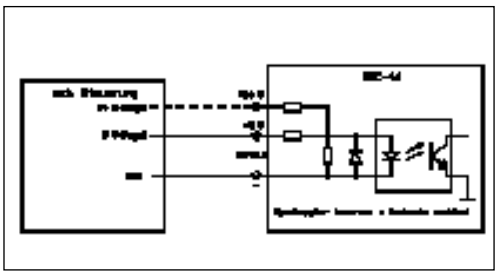
Attention: The supply voltage **must** have a charging capacitor with at least 4700 µF (Z-K4700/50) so that the permitted voltage is not exceeded during the braking procedure.

Input wiring

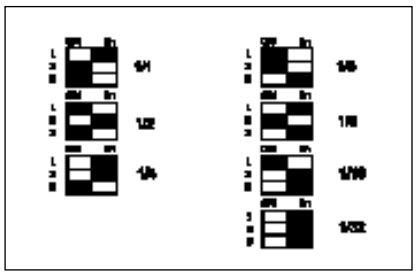
Optocoupler (5 V or 24 V)
Clock, direction



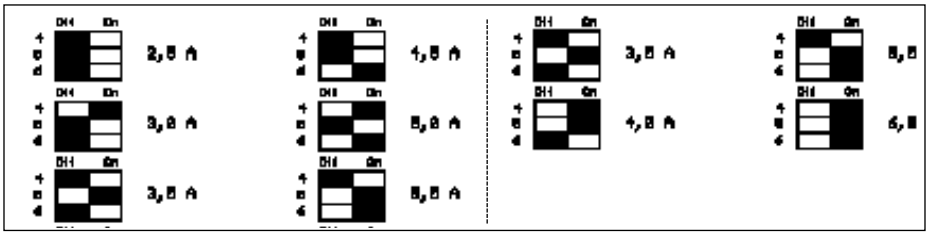
Input wiring



Step switchover



Current setting (switches 4 to 6)



Ordering designation: SMC46-7

A detailed manual can be found on the Internet: www.nanotec.de