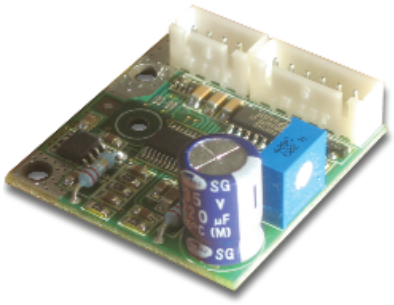
SMC11 — Compact Microstep Driver



Technical Data:

Operating Voltage:	*DC 8 V to 35 V*
max. Phase Current:	*1,0A / Phase (Full step); 1,4A / Phase (micro step)*
Current setting:	via Poti
Mode:	Bipolar
Operating Mode:	Full- (1/1), Half-, Quarter-, Eigth-
Step Frequency:	0 to 200 kHz
Current down:	switchable to 40%
Input Signals:	0 V active
Temperature range:	0 to +40°C
Type of connection:	JST-connector
Kind of mounting:	2 bores for screws M2.5 2 bores for screws M3
Weight:	10 g

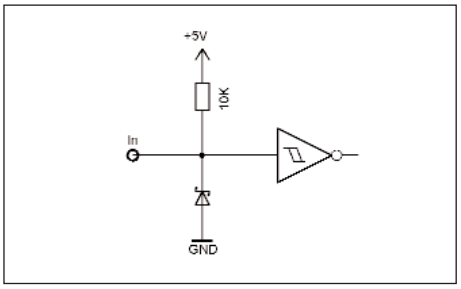
Attention: A charging capacitor of at least 4700 µF has to be provided in the supply voltage so that the permissible voltage is not exceeded during the braking process.
The motor must not be disconnected during operation!
A wrong connection of power supply or motor can destroy the driver!

Pin Assignment X1:
1 = Phase A
2 = Phase A\
3 = Phase B
4 = Phase B\

Pin Assignment X2:

1 = Operating Voltage VSS
2 = Enable
3 = Direction
4 = Clock
5 = Operating Voltage (0 V GND)
6 = Current Down

Input Circuit



Step Setting

Configuration:
The module is set to eigth-step on delivery

Step mode	J1	J2
1/1 Step	X	X
1/2 Step	X	
1/4 Step		X
1/8 Step