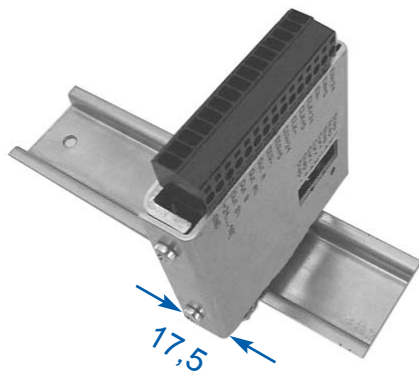


SMC32

Miniature Microstep Constant Current Driver up to 3 A/Phase in Metal Case

Technical Data:



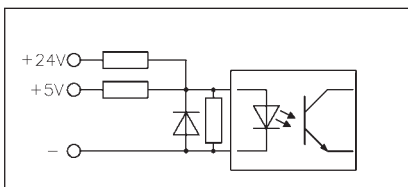
Operating Voltage:	<u>DC 24 V to 48 V</u>
max. Phase current:	<u>0.4 - 2 A/Phase</u> (up to 3A with fan) via DIP-switch
Mode:	Bipolar-Chopper-Driver
Operating Mode:	Full- (1/1), 1/2, 1/4, 1/5, 1/8, 1/10 (tenth-step)
Step setting:	via DIP-switch
Step frequency:	0 to 50 kHz
Test Mode:	test drive (250 Hz) via DIP-switch T+, T-
Current down:	automatically to 50%
Input signals:	via optocoupler 5 V (24 V)
LED:	Power (Operating voltage)
Protective circuit:	integr. overvoltage and overtemp. > +80 °C
Protection class:	IP20
Temperature range:	0 to + 40 °C
Type of connection:	via screw type plug-in terminals for AWG24-12
Kind of mounting:	via DIN-rail EN50022 35x7,5
Weight:	110 g (SMC32-3 with fan: 130 g)

Attention:

A charging capacitor of at least 4.700 µF has to be provided in the supply voltage so that the permissible voltage is not exceeded during the braking process.

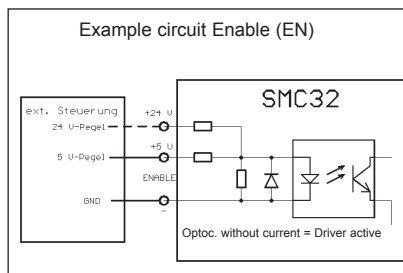
Input Circuit

Optocoupler (5 V or 24 V)
Clock (CLK), Direct. (DIR), (EN)

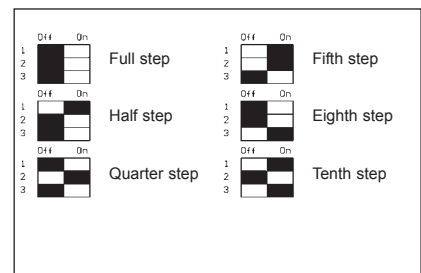


Input Circuit

Example circuit Enable (EN)



Step setting



Current setting (switch 4 to 6)

Order Coder:

SMC32-□

2 = up to 2 A/Phase
3 = up to 3 A/Phase (with fan)

Version up to 2 A [SMC32-2]				Version up to 3 A [SMC32-3] (Full step)			
4	5	6	0,4 A	4	5	6	1,6 <1,2> A
4	5	6	0,6 A	4	5	6	2,4 <2,0> A
4	5	6	0,8 A	4	5	6	2,6 <2,2> A
4	5	6	1,0 A	4	5	6	2,8 <2,4> A
4	5	6	1,2 A	4	5	6	3,0 <2,6> A
4	5	6	1,4 A				
4	5	6	1,6 A				
4	5	6	2,0 A				

