

# Compact microstep power driver up to 4 A/phase in a robust metal case

**SMC44G**

**Technical data:**

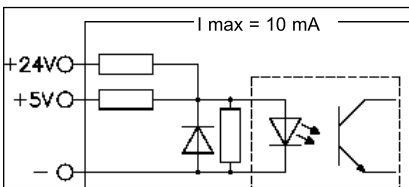
<b>Operating voltage:</b>	<u>DC 24 V to 48 V</u>
<b>Phase current:</b>	<u>1,1 - 4 A / phase</u> (3 A without fan)
<b>Operating mode:</b>	Bipolar chopper (Power MOSFET driver)
<b>Operating mode:</b>	1/1, 1/2, 1/4, 1/5, 1/8, 1/10
<b>Step adjustment:</b>	<b>via DIP switches</b>
<b>Step frequency:</b>	0 to 40 kHz
<b>Current reduction:</b>	automatic to 50%
<b>Input signals:</b>	Optocoupler 5 V (24 V)
<b>LED:</b>	Power (operating voltage) Error indication (overtemp.> 80 °C)
<b>Temperature range:</b>	0 to + 40°C
<b>Connection type:</b>	Pluggable screw terminals for AWG24 - 12
<b>Attachment method:</b>	<b>on DIN mounting rail</b>
<b>Protection class:</b>	IP20
<b>Weight:</b>	260 g



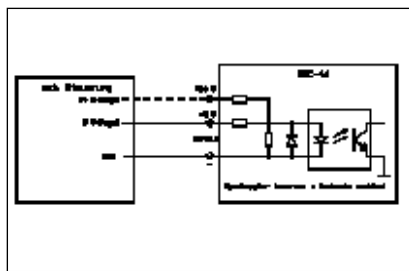
**Attention:** The supply voltage **must** have a charging capacitor with at least 4700 µF (Z-K4700/50) so that the permitted voltage is not exceeded during the braking procedure. The polarity reversal protection only works if the power supply provides a short-circuit current of > 5 A.

**Input wiring**

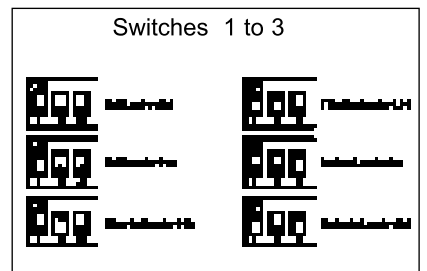
**Optocoupler** (5 V or 24 V)  
Clock, direction, enable



**Input wiring**



**Step switchover**



Ordering designation: SMC44G-□  
1= up to 4A (with fan)  
2= up to 3A (without fan)

**Current setting (switches 4 to 7)**

