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

Technical data:

- **Operating voltage:** DC 24 V to 48 V
- **Phase current:** 1.1 - 4 A/phase (3 A without fan)
- **Operating mode:** Bipolar chopper (Power MOSFET driver)
- **Operating mode:** 1/1, 1/2, 1/4, 1/5, 1/8, 1/10
- **Step adjustment:** via DIP switches
- **Step frequency:** 0 to 40 kHz
- **Current reduction:** automatic to 50%
- **Input signals:** Optocoupler 5 V (24 V)
- **LED:** Power (operating voltage)
- **Error indication (overtemp. > 80 °C)**
- **Temperature range:** 0 to + 40°C
- **Connection type:** Pluggable screw terminals for AWG24 - 12
- **Protection class:** IP20
- **Weight:** 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.

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### Input wiring

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

![Optocoupler Circuit](image)

### Input wiring

![Input Wiring Diagram](image)

### Step switchover

Switches 1 to 3

### Current setting (switches 4 to 7)

![Current Setting Diagram](image)

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**Ordering designation:** SMC44G-

1= up to 4A (with fan)
2= up to 3A (without fan)