**SMC32**

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

**Technical Data:**

- **Operating Voltage:** DC 24 V to 48 V
- **Max. Phase current:** 0.4 - 2 A/Phase (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- 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)**

**Order Coder:**

- SMC32-
- 2 = up to 2 A/Phase
- 3 = up to 3 A/Phase (with fan)

**Current setting (switch 4 to 6)**

**Step setting**

- Full step
- Half step
- Quarter step
- Eighth step
- Fifth step
- Tenth step

**Example circuit Enable (EN)**

**Order Coder:** SMC32-

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