SMD-8.0DIN ver.3

STEP MOTOR DRIVER

SMD 8.0DIN ver.3 is a stepper motor driver designed to control two and four-phase hybrid stepper motors. The controller provides an excellent motor dynamics and high torque performance. This model provides 2 control methods: STEP/DIR positioning and analog speed control.

Technical parameters

Voltage	12 - 48 VDC
Max. current per phase	5.0 - 8.0 A
Microstepping	1/1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 1/256

Operation modes

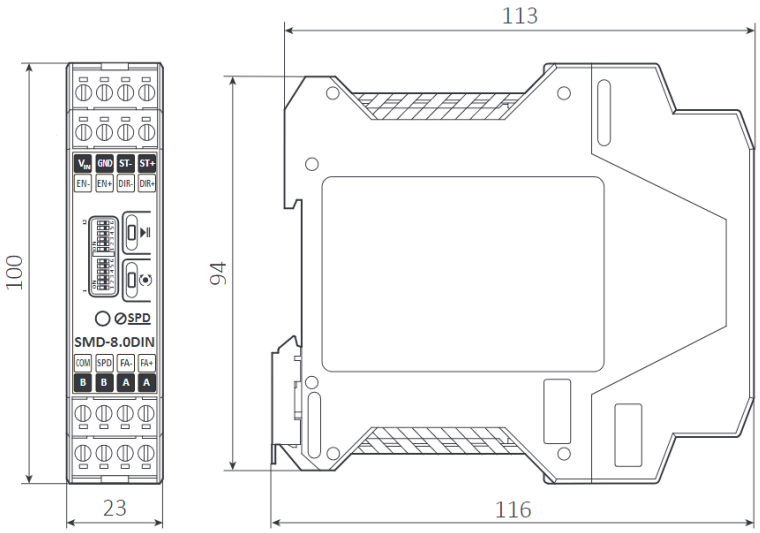
SMD-8.0DIN ver.3 provides the next options for stepper motor control:

- Pulse position control by external signals
- Analog speed control mode:
  - Voltage signal 0 – 5 VDC
  - Voltage signal 0 – 10 VDC
  - Built-in potentiometer
  - External potentiometer

The pulse position control mode is implemented with standard control signals STEP and DIR. In pulse position control mode, it is possible to invert the enable signal EN.

The analog speed control mode provides start, stop, change of direction and smooth adjustment of the speed of rotation of the stepper motor without the possibility of precise positioning. The built-in generator is used as the controller that sets the pulses.

Dimensions



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SMART MOTOR DEVICES
DRIVERS AND CONTROLLERS FOR ELECTROMOTORS