

# SMD-4.2DIN ver.3

## STEP MOTOR DRIVER



SMD 4.2DIN 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	2.7 - 4.2 A
Microstepping	1/1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 1/256

### Operation modes

SMD-4.2DIN 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

