

# BMD-20DIN

## DC BRUSH MOTOR DRIVER



BMD-20DIN is a speed driver for DC brush motor. Motor speed is regulated by 0...5 VDC analog signal or can be adjusted by an internal potentiometer. Acceleration and deceleration time are also adjusted by potentiometers. The controller provides current limitation function to prevent motor overloading.

### Technical parameters

Voltage	12 - 24 VDC
Max. motor current	0.2 - 20 A
Peak motor current	30 A
Analog speed control	0...5 V
Speed control range	1 : 100
Max. resistance of closed contacts	4.7 kOhm
Max. current consumption of the controller	0.5 mA

### Inputs for external discrete signals

- START/STOP – to start and stop the motor
- DIR – to control the rotation direction
- HARD STOP – emergency stop signal

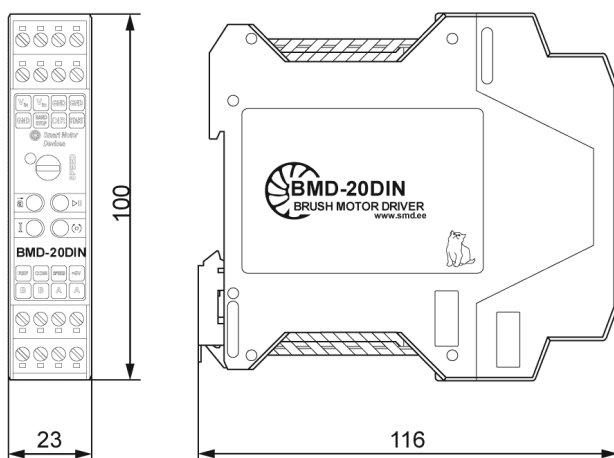
External signals START/STOP and DIR can be used as per the signal level or per front edge of the signal.

### Speed control

- internal potentiometer;
- external potentiometer;
- analog signal 4...20 mA;
- analog signal -10...+10 VDC;
- analog signal 0...5 VDC;
- PWM regulation.

Acceleration, direction and deceleration are set by internal regulators included in the design of the device.

### Dimensions



### Connection example

