BMD-20DIN ver.2

DC BRUSH MOTOR DRIVER

POWER SUPPLY VOLTAGE 12..24V DC
SHORT CIRCUIT PROTECTION 30A
CURRENT 0.1...20A

BMD-20 ver. 2
BRUSH MOTOR DRIVER
www.smd.ee

BMD-20DIN

BMD-20DIN ver.2 is a DC brush motor speed controller. The controller provides different methods of motor speed regulation, using potentiometers, analog or PWM signal. Acceleration and deceleration time are also adjustable. This motor speed 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, -10...10 V, 4...20 mA, PWM
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
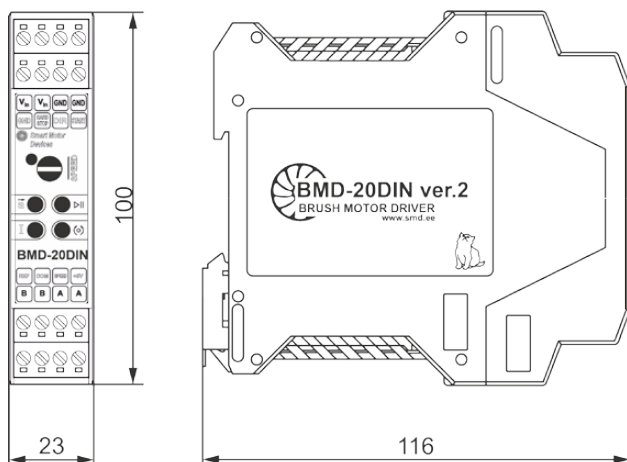- HARD STOP — emergency stop signal

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