



Compact Stepper Drive DSM9-PB

- Compact Size
- Absolute Positioning or Velocity Mode
- Supply Voltage 24 - 80V_{DC}, max. Motor Current 6,4 A_{eff}
- Microstepping Resolutions up to 25.600 Steps per Revolution
- Idle Current Reduction
- Noiseless at standstill, smooth operation
- Low Heat Losses
- Adjustable Ramps
- Opto-isolated Inputs
- Separated Supply Voltage for Electronic and Motor

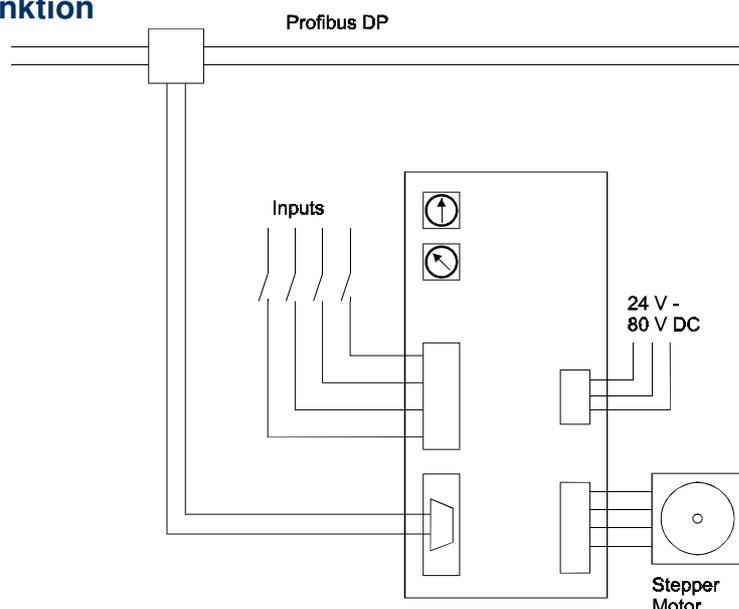
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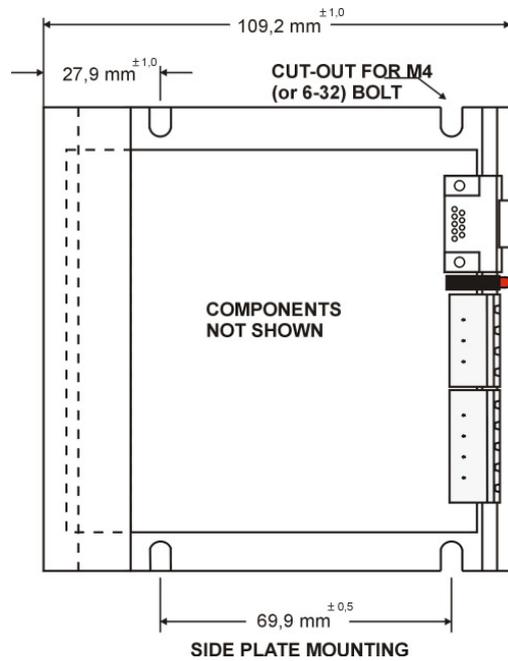
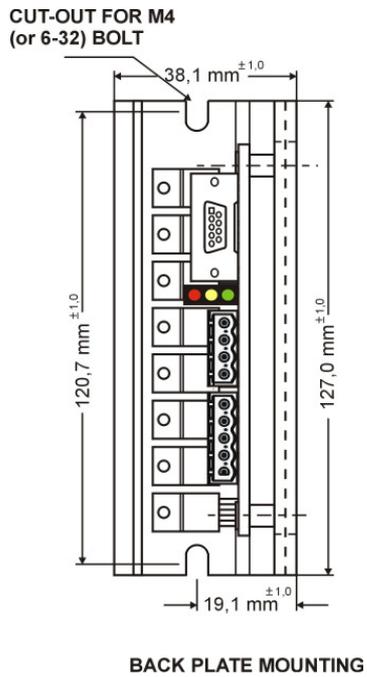
The Profibus DP Stepper is the solution to control, several step motor axis distributed in the field, by via Profibus DP. The Profibus DP Stepper is a compact single axis positioning control. It has two limit switch inputs, a stop, and a reference switch input. The velocity mode and the position mode are easily configurable over the profibus. Since there are only a few presets, the Profibus DP Stepper can be integrated into any control system using Profibus DP as sensor-actuator bus, with low expenditure. Because of the rapid and simultaneous transmission of the input and output bytes within all Profibus DP participants, there are a great variety of possibilities for realizing multi-axes applications over the bus without having to cope with synchronization problems.

Funktion



Technical Data

Motor Supply Voltage	70V _{DC} , power supply voltage range 24 - 80 V _{DC}
Motor Current	max. 9 A _{peak} ; 0,4 to 6,4 A _{rms}
Power Supply	For 2-phase stepper motor with 4, 6, or 8 leads. For the motor power supply only a unregulated DC voltage is required
Idle Current Reduction	The delay time and the current value are adjustable
Step Resolution	Adjustable up to 25.600 microsteps
Max. Step Input Frequency	500 kHz
Inputs	2 Limit Switches, Home position, Stop
Fault Protection	Line-to-line and line-to-neutral shorts Over temperature
Ambient Temperature /	0-50 °C without heat sink max 3A @ 25 °C / 1.5A @ 45 °C
Motor Current	with heat sink (optional) max 6.4A @ 25 °C/3.2A @45 °C
Chassis Temperature	Max. 60 °C, forced cooling may be necessary
Humidity	10-90%, non-considering

Dimensions:**Order Code:**

DSM9-PB-01