

Technical Data

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6411PB4-GB-1003.doc

**Profibus DP Stepper
6411-PB4**

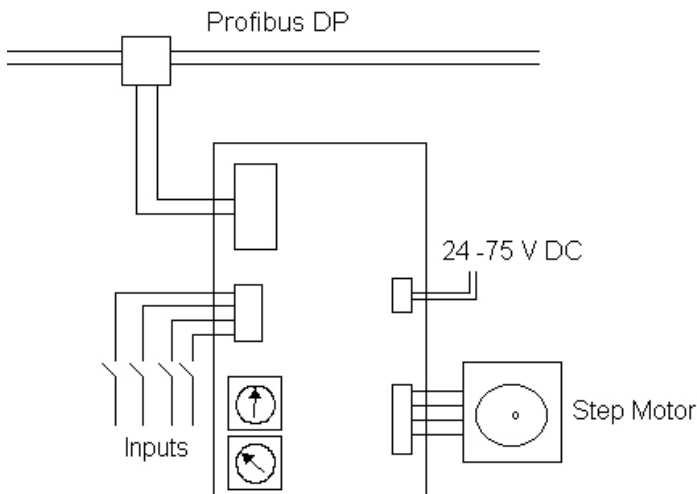


- **Either Absolute Positioning or Velocity Mode**
- **Adjustable Ramps**
- **Compact Size (Fits on your Palm)**
- **Operating from 24 – 75 V_{DC}**
- **0.6 to 5 A_{RMS}**
- **Isolated I/Os**
- **Microstepping Capability**

BAUTZ

The 6411-PB4 is the solution to control, over Profibus DP, several step motor axis distributed in the field. The 6411-PB4 is a compact single axis positioning control. It has two limit switch inputs an interrupt and a reference switch input. To run the 6411-PB4 over Profibus DP, only eight input and output bytes each are necessary to execute positioning tasks for one axis. Since only the process data channel is used, the 6411-PB4 can be integrated into any control system using Profibus DP as sensor-actuator bus, without additional expenditure. Because of the rapid and simultaneous transmission of the input and output bytes with 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.

Function



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Input Voltage	24 – 75 V
Output Current	0,625 A – 5 A _{RMS} adjustable in 0,625 A increments
Max. Step Frequency	20 kHz
Idle Current Reduction	50% after 0,05, 0,1 or 1 second
Fault Protection	<ul style="list-style-type: none"> • Line-to-line and line-to-neutral shorts • Internal power supply under-voltage • Bus over-voltage
Damping	Patented digital electronic damping to eliminate motor oscillations

Bytes

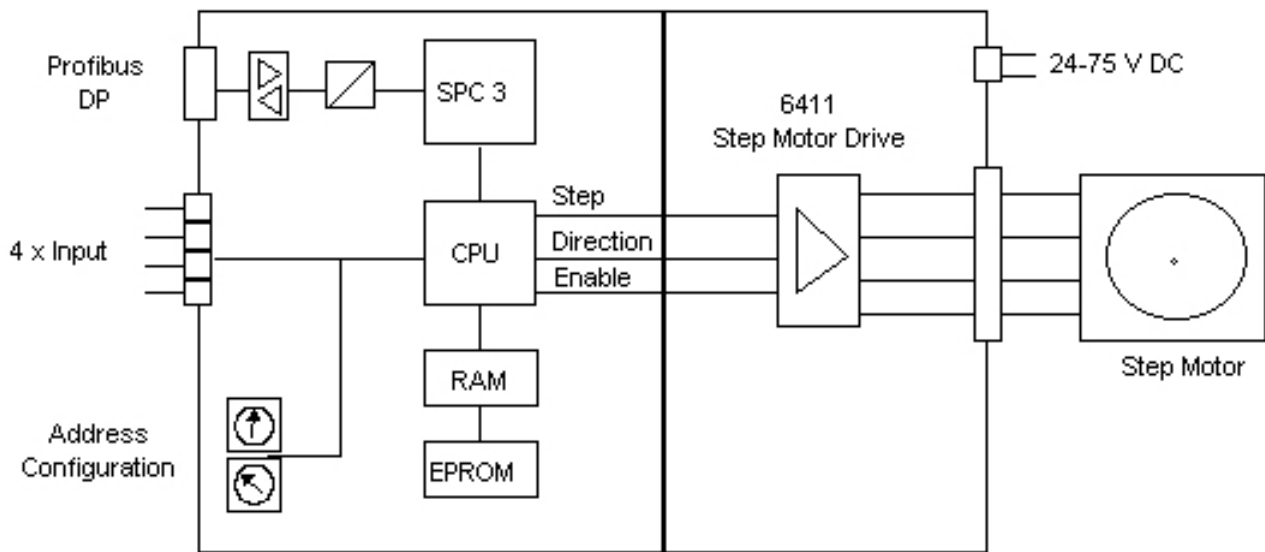
8 Output Bytes

Byte-No.	Meaning
1+2	Velocity command
3	Acceleradstion
4	Command byte
5-8	4 bytes for position command

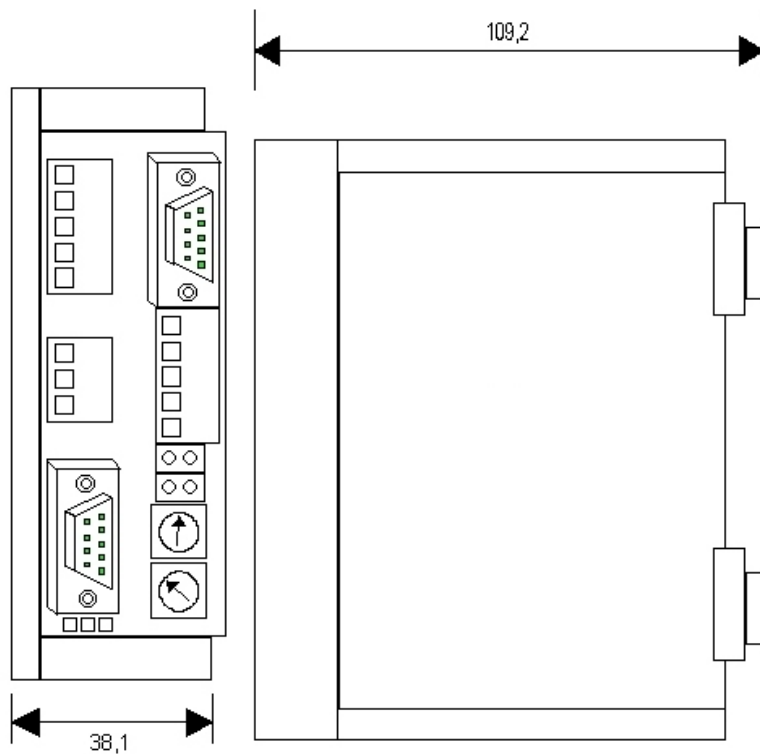
8 Output Bytes

Byte-No.	Meaning
1+2	Actual velocity
3+4	Status bytes
5-8	4 bytes for actual position

Hardware Structure



Dimensions



Order Code

6411-PB4-C-N-K

Sales and Service

We are committed to quality customer service. In order to serve you in the most effective way please contact your local sales representative for assistance.

If you do not know the local sales representative please contact our customer support.

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