AB2 Driver/Amplifier

Power Consumption

- Power Input: +24VDC ± 5%
- Maximum Motor Output: 280 Vrms
- Power Consumption without Load: +24VDC/200 mA
- Power Consumption with Maximum Load: +24VDC/5A
- Input Voltage Range: ±10V
- Input Low Pass Filter: 2.7kHz

Electrical

Supply Voltage | Current Consumption | Used When
--- | --- | ---
+24 VDC ± 5% |  | 
400 mA | | 1 x HR1 is connected
800 mA | | 1 x HR2 is connected
1500 mA | | 1 x HR4 is connected
2800 mA | | 1 x HR8 is connected
300 mA | | 1 x ST is connected

The required power supply value should be calculated by adding the total power consumption of all the motors that are connected to the AB2 power consumption without motor (+24VDC/125 mA rms) according to the following:

- \( I = 125mA + n \times (\text{current consumption of a single motor}) \)
- \( n = \text{Number of motors that are connected (n= 1/2/3/4)} \)

Environmental and Physical

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -40°C - 70°C
- Operating Humidity: Up to 80% non-condensing
- Weight: 450gr

DC Mode Specifications

- Switch Time Between Velocity and DC Modes: 1ms
- Range: ± 300nm

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