**AB4 Driver/Amplifier**

**Power Consumption**

- **Power Input**: +12VDC ± 5%
- **Maximum Motor Output**: 280 (70 for MM) Vrms
- **Power Consumption without Load**: +12VDC/300 mA
- **Power Consumption with Maximum Load**: +12VDC/3.5A
- **Input Voltage Range**: ±10V
- **Input Low Pass Filter**: 2.7kHz

**Electrical**

<table>
<thead>
<tr>
<th>Supply Voltage</th>
<th>Current Consumption</th>
<th>Used When</th>
</tr>
</thead>
<tbody>
<tr>
<td>+12 VDC ± 5%</td>
<td>800 mA max</td>
<td>1 x HR1 is connected</td>
</tr>
<tr>
<td></td>
<td>1400 mA max</td>
<td>1 x HR2 is connected</td>
</tr>
<tr>
<td></td>
<td>2400 mA max</td>
<td>1 x HR4 is connected</td>
</tr>
<tr>
<td></td>
<td>600 mA max</td>
<td>1 x ST is connected</td>
</tr>
</tbody>
</table>

The required power supply value should be calculated by adding the total power consumption of all the motors that are connected to the AB4 power consumption without motor (+12VDC/125 mA rms) according to the following:

- \( l = 125mA + n^* \) (current consumption of a single motor)
- \( n = \) Number of motors that are connected (n= 1/2/3/4)

**Environmental**

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

**Physical**

- **Length**: 95mm
- **Width**: 81.1mm
- **Height**: 32.4mm