Motor to Hall Relationship

Line Define

Power Wire

Feedback Wire

Technical Data

Type: 130WD-M10030-48V
- Power (KW): 3.1
- Rated voltage (V): 48
- Rated current (A): 77
- Rated speed (rpm): 3000
- Rated torque (N·m): 30
- Rotor inertia (Kgcm²): 21.4
- Protection rank: IP65
- Insulation rank: F

Motor weight (KG): 12

Appropriate environment:
- Temperature: 0~50℃
- Humidity: <90% (No dewdrop)
**Motor to Hall Relationship**

**Line Define**

**Power Wire**

- **Red** Motor U
- **Yellow** Motor V
- **Blue** Motor W

**Feedback Wire**

<table>
<thead>
<tr>
<th>Hall Line colour</th>
<th>Hall Signal definition</th>
<th>Plug serial number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange and black</td>
<td>5V</td>
<td>1</td>
</tr>
<tr>
<td>Orange</td>
<td>0V</td>
<td>2</td>
</tr>
<tr>
<td>Yellow</td>
<td>Hall A</td>
<td>4</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall B</td>
<td>5</td>
</tr>
<tr>
<td>Green</td>
<td>Hall C</td>
<td>6</td>
</tr>
</tbody>
</table>

**Technical Data**

<table>
<thead>
<tr>
<th>Type</th>
<th>130WD-M10030-72V</th>
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</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>3.1</td>
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<tr>
<td>Rated voltage (V)</td>
<td>72</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>51.3</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>3000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
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</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>21.4</td>
</tr>
<tr>
<td>Protection rank</td>
<td>IP65</td>
</tr>
<tr>
<td>Insulation rank</td>
<td>F</td>
</tr>
<tr>
<td>Appropriate environment</td>
<td>Temperature: 0–50°C, Humidity: &lt;90% (No dewdrop)</td>
</tr>
<tr>
<td>Motor weight (KG)</td>
<td>12</td>
</tr>
</tbody>
</table>
**Technical Data**

- **Type**: 130WD-M10030-96V
- **Power (KW)**: 3.1
- **Rated voltage (V)**: 96
- **Rated current (A)**: 38.5
- **Rated speed (rpm)**: 3000
- **Rated torque (NM)**: 10
- **Rotor inertia (Kgcm2)**: 21.4
- **Protection rank**: IP65
- **Insulation rank**: F
- **Appropriate environment**: Temperature: 0~50℃, Humidity: <90% (No dewdrop)
- **Motor weight (KG)**: 12

**Line Define**

- **Motor to Hall Relationship**
  - Hall A
  - Hall B
  - Hall C

- **Power Wire**
  - Red: Motor U
  - Yellow: Motor V
  - Blue: Motor W
  - Hall A
  - Hall B
  - Hall C

- **Feedback Wire**
  - Orange and black: Hall A
  - Orange: Hall B
  - Yellow: Hall C

**Motor power line**
- A length of 500 mm
- Plug-in models: SP75-8#

**Hall signal lines**
- A length of 500 mm
- Plug-in type: DJ7061-1.5