Motor to Hall Relationship

Power Wire

<table>
<thead>
<tr>
<th>Colour</th>
<th>Hall Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Motor U</td>
</tr>
<tr>
<td>Yellow</td>
<td>Motor V</td>
</tr>
<tr>
<td>Blue</td>
<td>Motor W</td>
</tr>
</tbody>
</table>

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</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>180WD-M16020-48V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>3.4</td>
</tr>
<tr>
<td>Rated Voltage (V)</td>
<td>48</td>
</tr>
<tr>
<td>Rated Current (A)</td>
<td>82</td>
</tr>
<tr>
<td>Rated Speed (rpm)</td>
<td>2000</td>
</tr>
<tr>
<td>Rated Torque (NM)</td>
<td>16</td>
</tr>
<tr>
<td>Rotor Inertia (Kgcm²)</td>
<td>55</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</td>
</tr>
<tr>
<td></td>
<td>Humidity: &lt;90% (No dewdrop)</td>
</tr>
<tr>
<td>Motor Weight (KG)</td>
<td>18.6</td>
</tr>
</tbody>
</table>

Motor power line: a length of 500 mm
Plug-in models: OT-150A

Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-1.5
PHASE TO GROUND VOLTAGE

ROTATION CW FROM THE FLANGE

Motor to Hall Relationship

Line Define

Power Wire

<table>
<thead>
<tr>
<th>Hall line colour</th>
<th>Hall signal definition</th>
<th>Plug serial number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Motor U</td>
<td>1</td>
</tr>
<tr>
<td>Yellow</td>
<td>Motor V</td>
<td>2</td>
</tr>
<tr>
<td>Blue</td>
<td>Motor W</td>
<td>3</td>
</tr>
</tbody>
</table>

Feedback Wire

<table>
<thead>
<tr>
<th>Hall signal colour</th>
<th>Hall signal definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td>0V</td>
</tr>
<tr>
<td>Orange</td>
<td>0V</td>
</tr>
<tr>
<td>Yellow</td>
<td>Hall A</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall B</td>
</tr>
<tr>
<td>Green</td>
<td>Hall C</td>
</tr>
</tbody>
</table>

Technical Data

Type: 180WD-M16020-72V

<table>
<thead>
<tr>
<th>Type</th>
<th>180WD-M16020-72V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>3.4</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>72</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>55</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>2000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>16</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>55</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℃</td>
</tr>
<tr>
<td></td>
<td>Humidity: &lt;90% (No dewdrop)</td>
</tr>
<tr>
<td>Motor weight (KG)</td>
<td>18.6</td>
</tr>
</tbody>
</table>