Motor to Hall Relationship

HALL----A
HALL----B
HALL----C

PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

Power Wire
- Red: Motor U
- Yellow: Motor V
- Blue: Motor W

Feedback Wire
- Orange and black: 5V
- Orange: 0V
- Yellow: Hall A
- Blue: Hall B
- Green: Hall C

Line Define

Motor to Hall Relationship

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

Technical Data

Type: 130WD-M15020-48V
Power (KW): 3.1
Rated voltage (V): 48
Rated current (A): 77
Rated speed (rpm): 2000
Rated torque (NM): 1.5
Rotor inertia (Kgcm²): 32.4
Protection rank: IP65
Insulation rank: F

Appropriate environment
- Temperature: 0~50°C
- Humidity: <90% (No dewdrop)

Motor weight (KG): 12

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0° 60° 120° 180° 240° 300° 360°

Demension
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>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>
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</tbody>
</table>

**Feedback Wire**

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

**Technical Data**

<table>
<thead>
<tr>
<th>Type</th>
<th>130WD-M15020-96V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>3.1</td>
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<tr>
<td>Rated voltage (V)</td>
<td>96</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>38.5</td>
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<tr>
<td>Rated speed (rpm)</td>
<td>2000</td>
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<tr>
<td>Rated torque (NM)</td>
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<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>32.4</td>
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<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>

Motor weight (KG): 12

Temperature: 0~50°C, Humidity: <90% (No dewdrop)

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