**Motor to Hall Relationship**

<table>
<thead>
<tr>
<th>Hall Line</th>
<th>Colour</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Yellow</td>
<td>0V</td>
</tr>
<tr>
<td>B</td>
<td>Blue</td>
<td>5V</td>
</tr>
<tr>
<td>C</td>
<td>Orange and Black</td>
<td>0V</td>
</tr>
</tbody>
</table>

**Feedback Wire**

<table>
<thead>
<tr>
<th>Hall Line Colour</th>
<th>Hall Signal</th>
<th>Plug Serial Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Hall A</td>
<td>4</td>
</tr>
<tr>
<td>Yellow</td>
<td>Hall B</td>
<td>5</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall C</td>
<td>6</td>
</tr>
</tbody>
</table>

**Motor to Ground Voltage**

- V<sub>U</sub>-G
- V<sub>V</sub>-G
- V<sub>W</sub>-G

**Power Wire**

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

**Motor Power Line**
- Length: 500 mm
- Plug-in Model: OT-150A

**Hall Signal Lines**
- Length: 500 mm
- Plug-in Type: DJ7061-1.5

**Technical Data**

- **Type**: 180WD-M12020-48V
- **Power (KW)**: 2.5
- **Rated Voltage (V)**: 48
- **Rated Current (A)**: 62
- **Rated Speed (rpm)**: 2000
- **Rated Torque (NM)**: 12
- **Rotor Inertia (Kgcm²)**: 32.6
- **Protection Rank**: IP65
- **Insulation Rank**: F
- **Appropriate Environment**
  - Temperature: 0~50°C
  - Humidity: <90% (No dewdrop)
- **Motor Weight (KG)**: 18.5
Motor to Hall Relationship

Hall line colour
- Red: Motor U
- Yellow: Motor V
- Blue: Motor W

Hall signal definition
- Orange and black: Hall A
- Orange: Hall B
- Yellow: Hall C
- Blue: Hall D
- Green: Hall E

Power Wire
- Red: Motor power line
- Blue: Feedback Wire
- Yellow: Feedback Wire

Feedback Wire
- Red: Feedback Wire
- Blue: Feedback Wire
- Yellow: Feedback Wire
- Green: Feedback Wire

Technical Data

Type: 180WD-M12020-72V
Power (KW): 2.5
Rated voltage (V): 72
Rated current (A): 41
Rated speed (rpm): 2000
Rated torque (NM): 12
Rotor inertia (Kgcm²): 32.6
Protection rank: IP65
Insulation rank: F

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

Motor weight (KG): 18.5
**Motor to Hall Relationship**

- Hall A
- Hall B
- Hall C

**Power Wire**

<table>
<thead>
<tr>
<th>Wire Color</th>
<th>Pin Assigned</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>Wire Color</th>
<th>Pin Assigned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td>Hall A</td>
</tr>
<tr>
<td>Orange</td>
<td>Hall B</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall C</td>
</tr>
</tbody>
</table>

**Line Define**

**Hall line colour**

- 5V
- 0V

- Orange and black

**Motor power line**

- Length: 500 mm

**Plug-in models:** SP73-8#

**Hall signal lines**

- Length: 500 mm

**Plug-in type:** DJ7061-1.5

**Technical Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>180WD-M12020-96V</td>
</tr>
<tr>
<td>Power (KW)</td>
<td>2.5</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>96</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>31</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>2000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>32</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>32.6</td>
</tr>
<tr>
<td>Protection rank</td>
<td>IP65</td>
</tr>
<tr>
<td>Insulation rank</td>
<td>F</td>
</tr>
<tr>
<td>Temperature: 0-50°C</td>
<td></td>
</tr>
<tr>
<td>Humidity: &lt;90% (no dewdrop)</td>
<td></td>
</tr>
<tr>
<td>Motor weight (Kg)</td>
<td>18.5</td>
</tr>
</tbody>
</table>