Motorto Hall Relationship

Line Define

Power Wire

Feedback Wire

Motor to Hall Relationship

PHASE TO GROUND VOLTAGE

 ROTATION CW FROM THE FLANGE

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

Motor weight (KG) 18.6
### Motor to Hall Relationship

- **Hall A**
- **Hall B**
- **Hall C**

### Feedback Wire

- **Hall line colour**: Orange, Yellow, Blue
- **Hall signal definition**:
  - Orange: 5V
  - Orange: 0V
  - Yellow: Hall A
  - Blue: Hall B
  - Green: Hall C

### Power Wire

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

### Technical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>180WD-M16030-72V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>5.0</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>72</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>82</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>3000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>16</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>55</td>
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<tr>
<td>Protection rank</td>
<td>IP65</td>
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<tr>
<td>Insulation rank</td>
<td>B</td>
</tr>
<tr>
<td>Appropriate temperature environment</td>
<td>0-50°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>&lt;90% (No dewdrop)</td>
</tr>
<tr>
<td>Motor weight (KG)</td>
<td>18.6</td>
</tr>
</tbody>
</table>
Motor to Hall Relationship

**Line Define**

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

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

**Technical Data**
- Type: 180WD-M16030-96V
- Power (KW): 5.0
- Rated voltage (V): 96
- Rated current (A): 62
- Rated speed (rpm): 3000
- Rated torque (NM): 16
- Rotor inertia (Kgcm²): 55
- Protection rank: IP65
- Insulation rank: F
- Temperature: 0-50°C
- Humidity: <90% (No dewdrop)
- Motor weight (KG): 18.6