Motor to Hall Relationship

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>3</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall B</td>
<td>4</td>
</tr>
<tr>
<td>Green</td>
<td>Hall C</td>
<td>5</td>
</tr>
</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: D7061-1.5

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Plug-in models: SP75-8

Hall signal lines: a length of 500 mm
Plug-in type: D7061-1.5

Motor to Hall Relationship

PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

Technical Data

Type: 80WD-M03320-24V

- Power (KW): 0.69
- Rated voltage (V): 24
- Rated current (A): 35.99
- Rated speed (rpm): 2000
- Rated torque (NM): 3.3
- Rotor inertia (Kgcm²): 1.1
- Protection rank: IP54
- Insulation rank: F
- Appropriate environment: Temperature: 0~50°C, Humidity: <90% (No dewdrop)
- Motor weight (KG): 3

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Motor to Hall Relationship

Power Wire

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

Feedback Wire

- Hall signal definition: Orange and black 5V, Orange 0V, Yellow Hall A, Blue Hall B, Green Hall C

Technical Data

- Type: 80WD-M03320-48V
- Power (KW): 0.69
- Rated voltage (V): 48
- Rated current (A): 18.0
- Rated speed (rpm): 2000
- Rated torque (NM): 3.3
- Rotor inertia (Kgcm2): 1.1
- Protection rank: IP54
- Insulation rank: F
- Appropriate environment: Temperature: 0~50°C, Humidity: <90% (No dewdrop)
- Motor weight (KG): 3

Dimensions:

- Motor power line: a length of 500 mm
- Hall signal lines: a length of 500 mm
- Motor to Hall relationship: Hall A, Hall B, Hall C
- Feedback Wire: Motor U, Motor V, Motor W
- Motor weight: 3 KG

Contact Information:

- www.ato.com
- sales@ato.com
- Globle Shipping +1 800-585-1519
### Motor to Hall Relationship

<table>
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<tr>
<th>Hall Line</th>
<th>Motor</th>
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<tbody>
<tr>
<td>Hall A</td>
<td>Motor U</td>
</tr>
<tr>
<td>Hall B</td>
<td>Motor V</td>
</tr>
<tr>
<td>Hall C</td>
<td>Motor W</td>
</tr>
</tbody>
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#### Power Wire

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<tbody>
<tr>
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<td>Motor V</td>
</tr>
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#### Feedback Wire

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</tr>
<tr>
<td>Green</td>
<td>Hall C</td>
<td>5</td>
</tr>
</tbody>
</table>

### Technical Data

- **Type**: 80WD-M03320-72V
- **Power (KW)**: 0.69
- **Rated Voltage (V)**: 72
- **Rated Current (A)**: 12.0
- **Rated Speed (rpm)**: 2000
- **Rated Torque (NM)**: 3.3
- **Rotor Inertia (Kgcm²)**: 1.1
- **Protection Rank**: IP54
- **Insulation Rank**: F
- **Appropriate Environment**:
  - Temperature: 0~50°C
  - Humidity: <90%
  - No dewdrop
- **Motor Weight (KG)**: 3

### Additional Information

- **Motor Weight**: 3 kg
- **Temperature Range**: 0 to 50°C
- **Humidity**: <90%
- **Protection**: IP54
- **Insulation**: F
- **Appropriate Environment**: Temperature: 0~50°C Humidity: <90% (No dewdrop)
- **Motor Weight**: 3 Kg

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[www.ato.com]([www.ato.com])  
[sales@ato.com]([sales@ato.com])  
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