Motor to Hall Relationship

Line Define

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

Power Wire

<table>
<thead>
<tr>
<th>Hall line colour</th>
<th>Hall signal definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange and black</td>
<td>5V 1</td>
</tr>
<tr>
<td>Orange</td>
<td>0V 2</td>
</tr>
<tr>
<td>Yellow</td>
<td>Hall A 4</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall B 5</td>
</tr>
<tr>
<td>Green</td>
<td>Hall C 6</td>
</tr>
</tbody>
</table>

Plug-in serial number

Motor weight (KG)

38

Power Wire

<table>
<thead>
<tr>
<th>Motor to Hall Relationship</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALL----A</td>
</tr>
<tr>
<td>HALL----B</td>
</tr>
<tr>
<td>HALL----C</td>
</tr>
<tr>
<td>MOTOR----U</td>
</tr>
<tr>
<td>MOTOR----V</td>
</tr>
<tr>
<td>MOTOR----W</td>
</tr>
</tbody>
</table>

Phase to Ground Voltage
Rotation CW from the Flange

Technical Data

Type: 180WD-M50010-48V

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>5.2</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>48</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>128</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>1000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>50</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>165</td>
</tr>
<tr>
<td>Protection rank</td>
<td>IP65</td>
</tr>
<tr>
<td>Insulation rank</td>
<td>F</td>
</tr>
</tbody>
</table>
| Appropriate environment | Temperature: 0~50°C  
                          | Humidity: <90%  
                          | (No dewdrop) |
| Motor weight (KG) | 38          |

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

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

**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 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>
</tr>
</tbody>
</table>

**Technical Data**

<table>
<thead>
<tr>
<th>Type</th>
<th>180WD-M50010-72V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>5.2</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>72</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>86</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>1000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>50</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>365</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>38</td>
</tr>
</tbody>
</table>

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

Motor weight: 38 KG

Temperatures: 0-50°C
Humidity: <90% (No dewdrop)

Contact Information:
- www.ato.com
- sales@ato.com
- Globle Shipping +1 800-585-1519
Demension

Motor to Hall Relationship

Line Define

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

Feedback Wire
- Hall line colour:
  - Orange and black: 0V
  - Orange: 0V
  - Yellow: Hall A
  - Blue: Hall B
  - Green: Hall C
- Hall signal definition:
  - Orange: 5V
  - Yellow: Hall A
  - Blue: Hall B
  - Green: Hall C
- Plug serial number:
  - Orange: 1
  - Yellow: 2
  - Blue: 4
  - Green: 6

Motor power line: a length of 500 mm
Plug-in models: SP75-9F

Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-3.5

Technical Data
- Type: 180WD-M50010-96V
- Power (KW): 5.2
- Rated voltage (V): 96
- Rated current (A): 64
- Rated speed (rpm): 1000
- Rated torque (NM): 50
- Rotor inertia (Kgcm²): 165
- Protection rank: IP65
- Insulation rank: F
- Appropriate environment: Temperature: 0~50°C, Humidity: <90% (No dewdrop)
- Motor weight (KG): 38

Motor power line: a length of 500 mm
Plug-in models: SP75-9F

Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-3.5

Motor power line: a length of 500 mm
Plug-in models: SP75-9F

Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-3.5

Motor power line: a length of 500 mm
Plug-in models: SP75-9F

Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-3.5

Motor weight (KG): 38

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