Motor to Hall Relationship

Hall line colour
- Green
- Yellow
- Blue

Hall signal definition
- 5V
- 0V
- Hall A
- Hall B
- Hall C

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

Technical Data
- Type: 180WD-M50020-48V
- Power (KW): 10.5
- Rated voltage (V): 48
- Rated current (A): 257
- Rated speed (rpm): 2000
- 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: SP75-8#
Plug-in type: D7061-1.5
Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-1.5

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

PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

Motor weight (KG): 38
### Technical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>180WD-M50020-72V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>10.5</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>72</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>171</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>2000</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

---

### Motor to Hall Relationship

<table>
<thead>
<tr>
<th>Hall</th>
<th>Red</th>
<th>Yellow</th>
<th>Blue</th>
<th>Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Line Define**

<table>
<thead>
<tr>
<th>Feedback Wire</th>
<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>Hall A</td>
<td>1</td>
</tr>
<tr>
<td>Orange</td>
<td>0V</td>
<td>Hall A</td>
<td>2</td>
</tr>
<tr>
<td>Yellow</td>
<td>Hall A</td>
<td>Hall A</td>
<td>4</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall B</td>
<td>Hall B</td>
<td>5</td>
</tr>
<tr>
<td>Green</td>
<td>Hall C</td>
<td>Hall C</td>
<td>6</td>
</tr>
</tbody>
</table>

**Motor power line:** A length of 50mm  
**Plug-in models:** SP75-8#  
**Hall signal lines:** A length of 500mm  
**Plug-in type:** DJ7063-1.5

---

**PHASE TO GROUND VOLTAGE**

**ROTATION CW FROM THE FLANGE**

---

**Line Define**

<table>
<thead>
<tr>
<th>Power Wire</th>
<th>Red</th>
<th>Yellow</th>
<th>Blue</th>
<th>Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor U</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Dimension**

- 4-ø13
- 45°
- ø42±0.003
- 12
- 4
- 55
- 73
- 20
- 315
- 366±1
- 118
- ø114, 5±0.001
Motor to Hall Relationship

Line Define

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

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

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>180WD-M50020-96V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>1.5</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>96</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>128</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>2000</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>
<tr>
<td>Appropriate environment</td>
<td>Temperature: 0~50℃</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 weight: 38 KG

Contact Information:
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