Demension

Motor to Hall Relationship

Line Define

Power Wire

HALL----A
HALL----B
HALL----C

Motor----U
Motor----V
Motor----W

PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

Feedback Wire

Hall line colour | Hall signal definition | Plug serial number
---|---|---
Red | 5V | 1
Orange | 0V | 2
Yellow | Hall A | 4
Blue | Hall B | 5
Green | Hall C | 6

Technical Data

Type | 130WD-M04020-24V
Power (KW) | 0.8
Rated voltage (V) | 24
Rated current (A) | 41.1
Rated speed (rpm) | 2000
Rated torque (NM) | 4
Rotor inertia (Kgcm²) | 0.4
Protection rank | IP65
Insulation rank | F
Appropriate environment | Temperature: 0-50°C
Humidity: <90% (No dewdrop)
Motor weight (KG) | 6.7

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 power line: a length of 500 mm
Plug-in models: SP75-8#
Motor to Hall Relationship

Line Define

Power Wire
Red  Motor U  Orange 5V
Yellow Motor V  Orange 0V
Blue Motor W  Yellow Hall A

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

Technical Data

Type 130WD-M04020-48V
Power (KW) 0.8
Rated voltage (V) 48
Rated current (A) 20.5
Rated speed (rpm) 2000
Rated torque (NM) 4
Rotor inertia (Kgcm²) 10.4
Protection rank IP65
Insulation rank F
Appropriate environment Temperature: 0~50℃  Humidity: <90% (No dewdrop)
Motor weight (KG) 6.7

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

PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

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Motor to Hall Relationship

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

Line Define

Power Wire

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

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>130WD-M04020-72V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>0.8</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>72</td>
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<tr>
<td>Rated current (A)</td>
<td>13.7</td>
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<tr>
<td>Rated speed (rpm)</td>
<td>2000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>4</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>10.4</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>6.7</td>
</tr>
</tbody>
</table>

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Motor to Hall Relationship

<table>
<thead>
<tr>
<th>Hall Signal</th>
<th>Motor</th>
</tr>
</thead>
<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>
</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: DJ0601-1.5

PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

Technicaal Data

<table>
<thead>
<tr>
<th>Type</th>
<th>130WD-M04020-96V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>0.8</td>
</tr>
<tr>
<td>Rated Voltage (V)</td>
<td>96</td>
</tr>
<tr>
<td>Rated Current (A)</td>
<td>10.3</td>
</tr>
<tr>
<td>Rated Speed (rpm)</td>
<td>2000</td>
</tr>
<tr>
<td>Rated Torque (NM)</td>
<td>4</td>
</tr>
<tr>
<td>Rotor Inertia (Kgcm²)</td>
<td>10.4</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 Humidity: &lt;90% (No dewdrop)</td>
</tr>
<tr>
<td>Motor Weight (KG)</td>
<td>6.7</td>
</tr>
</tbody>
</table>

Line Define

Power Wire

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

Feedback Wire

- Hall A: 5V, Plug serial number 1
- Hall B: 0V, Plug serial number 2
- Hall C: Orange and black, Plug serial number 4

Motor weight (KG): 6.7

Contact Information:

www.ato.com | sales@ato.com | +1 800-585-1519