

## Sanyo Denki - P5 Super BL Servo Motors

### P50B0501DXS2B



 **Request a Quote**

- ✓ Get a Quote in 5 minutes
- ✓ Parts ship in as little as 24 hours
- ✓ Up to half the cost of the manufacturer



Secure Online  
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Free Ground  
Shipping




One Year  
Warranty

The **P50B0501DXS2B** is a part of the **P5 Super BL Servo Motors Series** by Sanyo Denki.

## Specifications

### Continuous Stall Torque:

Typically in the  
range of 1.3  2.3  
N·m


### Instantaneous Maximum Stall Armature Current:

May reach 7.9   
15.5 Arms


### Mechanical Time Constant (tm):

Around 6.5 to 9.6  
ms

### Rated Armature Current:

Approximately 2.9  
 5.1 Arms  
(depending on  
exact model)

### Rated Torque:

Around 1.0  2.0  
N·m


### Last Verified:

07/03/2025  
1:12 AM

### Electric Time Constant (te):

Approximately 1.9  
to 3.0 ms


### Instantaneous Maximum Stall Torque:

Up to  
approximately 4.0  
 5.9 N·m

### Operating Temperature:

0 to 40 C with up  
to 90% ambient  
humidity (non-  
condensing)

### Rated Output:

Approximately  
100 W  200 W  
(depending on  
configuration)


### Rotor Inertia (inc):

Approximately  
3.98×10<sup>-4</sup> to  
14.08×10<sup>-4</sup> kg·m<sup>2</sup>  
(GD<sup>2</sup>/4)

### Induced Voltage Constant (ke?):

Approx. 23.4 to  
28.5 mV/(min<sup>-1</sup>)


### Maximum Rotating Speed:

Up to 3,000   
4,500 min<sup>-1</sup>


### Phase Armature Resistance (r?):

Ranges from 3.63  
? to 1.05 ?


### Rated Rotating Speed:

3,000  4,500  
min<sup>-1</sup>

### Torque Constant (kt):

Approximately  
0.67  0.81  
N·m/Arms

## Contact Us

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## Shipping Options



## Payment Methods

