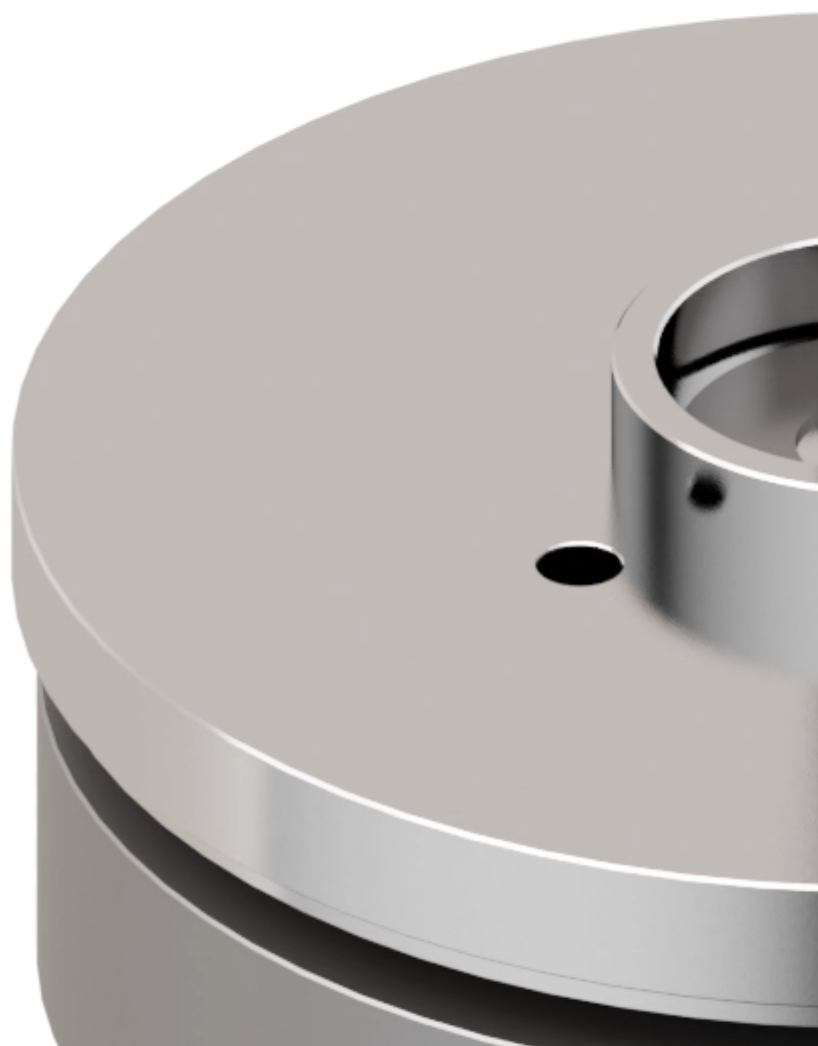


variables/V-color

# **Micromotors | Flat Brushless DC Motors | SVTM F 03-50-24-D-CH**







## Feature

### SVTM F 03-50-24-D-CH

|                             |              |
|-----------------------------|--------------|
| <b>Nominal voltage</b>      | 24 V         |
| <b>No load speed</b>        | 6500 rpm     |
| <b>No load current</b>      | 0 mA         |
| <b>Nominal speed</b>        | 5000 rpm     |
| <b>Nominal torque</b>       | 50.000 mNm   |
| <b>Nominal current</b>      | 1.420 A      |
| <b>Stall torque</b>         | 150.000 mNm  |
| <b>Stall current</b>        | 4.800 A      |
| <b>Terminal resistance*</b> | 1.420 ?      |
| <b>Terminal inductance*</b> | 0.590 mH     |
| <b>Torque constant</b>      | 35.300 mNm/A |

**Notice :** The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.

## Brushless DC Compact Motor

### SVTM F 03-50-24-D-CH

**Rotor inertia** 99.000 gcm<sup>2</sup>

The natural geometry of the outrunner Brushless Flat Motors, as well as the iron core winding, are the perfect fit for applications requiring high-torque in reduced dimensions. Simplified design, high-end material selection, and automated manufacturing make Flat Motors a high-

performance solution at a competitive price. Our vocation in listening to the client's requirements has led us to develop a customization-minded offer, focusing on specific application requirements such as integrated feedbacks, special cables, and custom shape of shafts and flanges.



### **Advantages**

- Compact
- High Torque
- High-quality materials and automated manufacturing
- Highly customizable



### **Benefits**

- Compact motor leads to compact design
- High Efficiency
- Good quality/price ratio
- Better and easier integration



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