



High Power Density - High Torque - High Efficiency  
 Cost-effective - Compact - Customizable

 Feature

| SVTM F 01-7.59-12-D-WH |                |
|------------------------|----------------|
| Nominal voltage        | 12 V           |
| No load speed          | 9350 rpm       |
| No load current        | 52 mA          |
| Nominal speed          | 5170 rpm       |
| Nominal torque         | 7.590 mNm      |
| Nominal current        | 0.700 A        |
| Stall torque           | 19.000 mNm     |
| Stall current          | 1.620 A        |
| Terminal resistance*   | 7.200 $\Omega$ |
| Terminal inductance*   | 0.620 mH       |
| Torque constant        | 12.000 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 01-7.59-12-D-WH

Rotor inertia

5.100 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



Zoning de la Rivière, 65  
7330 Saint-Ghislain (Belgium)

T : +32 (0)65 76 40 40  
E : service@pes-sa.com