



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

## Feature

SVTM F 02-25.1-12-D-CH	
Nominal voltage	12 V
No load speed	4650 rpm
No load current	0 mA
Nominal speed	2800 rpm
Nominal torque	25.100 mNm
Nominal current	1.000 A
Stall torque	75.300 mNm
Stall current	3.200 A
Terminal resistance*	3.430 $\Omega$
Terminal inductance*	1.870 mH
Torque constant	24.800 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 02-25.1-12-D-CH

Rotor inertia

35.000 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



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

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