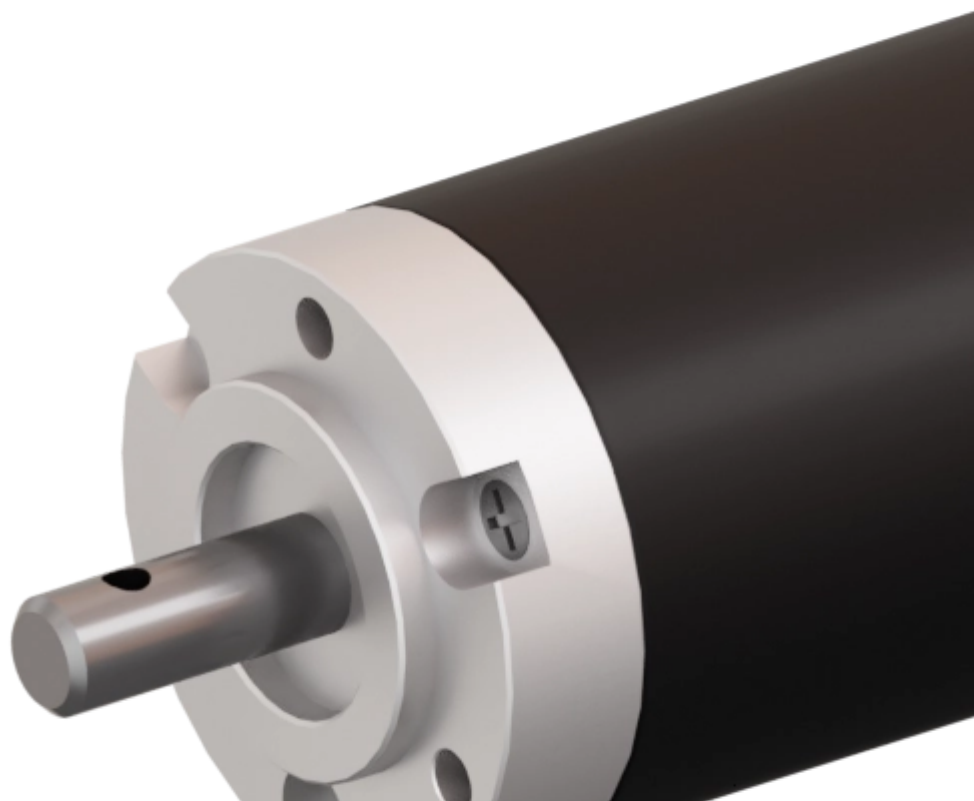


variables/V-color

Micromotors | Slotless BLDC motor | SVTN A 02-1644-24-D-O





Feature

SVTN A 02-1644-24-D-O

Nominal voltage	24 V
No load speed	30580 rpm
No load current	95 mA
Nominal speed	28134 rpm
Nominal torque	7.500 mNm
Nominal current	1.100 A
Stall torque	93.800 mNm
Stall current	12.700 A
Max. efficiency	83.400 %
Terminal resistance*	1.900 ?
Terminal inductance*	0.120 mH
Torque constant	7.440 mNm/A
Speed constant	1284 mNm/V

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.

High-Speed Brushless DC Motors

SVTN A 02-1644-24-D-O

Speed/torque gradient	326.00 rpm/mNm
Mechanical time constant	2.800 ms

SVTN A 02-1644-24-D-O

Rotor inertia

0.820 gcm²

Typically employed in the medical field for surgical tools, these motors merge the SVTN A Series characteristics to an optimized project for high-speed functions. Thanks to a precise balancing of the rotor and the use of special bearings, maximum stability, and low noise are guaranteed.



Advantages

- Winding technology without metal bodies
- Good heat dissipation and high overload capacity
- Long life expectancy



Benefits

- Light and compact, easy integration
- High reliability
- Good return on investment



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