variables/V-color

Micromotors | Coreless BLDC motors | SVTN A 03-2246-24-S-0





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Nominal voltage24 VNo load speed15627 rpmNo load current140 mANominal speed12771 rpmNominal torque12.000 mNmNominal current1.010 AStall torque82.800 mNmStall current6.300 AMax. efficiency71.800 %Torque constant13.400 mNm/ASpeed constant712 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.

2 Pole Brushless DC Motors with Integrated Electronics

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Speed/torque gradient203.00 rpm/mNmMechanical time constant4.800 msRotor inertia2.300 gcm²

The benefits of this technology join the simplicity of use of a brushed DC motor with the longevity of a brushless motor, maintaining costeffectiveness and ease of integration. The lack of cogging is typical of the coreless motors and guarantees a reduced ripple torque, a linear correlation between torque, speed, and low inertia. The miniaturization of the electronics allows maintaining the diameter of the motor unvaried with a slight increase in length.



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



- Light and compact, easy integration
- High reliability
- Good return on investment
- No need for external drive



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