**BLDC FDB SP2B**

Brushless 3 – Phase DC Motor

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<td>5</td>
<td>3600</td>
<td>0.373</td>
<td>0.99</td>
<td>0.15</td>
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*The specification for Rated Voltage and Nominal Speed are just example values. These parameters are depending on customer requirements and electronics. The Speed Range is also depending on the rotor mass and center of gravity.*

**General information**
- Mounting position: free
- Bearing system: FDB (Fluid Dynamic Bearing)
- Torque Constant Kt: 6.6 mNm/A
- Weight: 0.037 kg
- Rotor Inertia: 1.4 x 10E-6 kgm²
- Oper. Temp. Range: 0 °C to +70 °C
- Non oper. Range: -40 °C to +70 °C
- Direction of Rotation: CCW only
- Number of Poles/Slot: 12/9

**Features**
- Fluid dynamic bearing technology
- low noise - sound power overall max 20 dB(A) re 1pW
- low vibration
- low runout (NRRO below 40 nm)
- wobble error < .3°

**Run out rotor**
- axial < 10 μm, radial < 5μm
- Static imbalance < 20 mgcm

**Options**
- Integrated Drive Electro.: No
- Planetary Gearbox: No
- Sensorless Operation: Yes