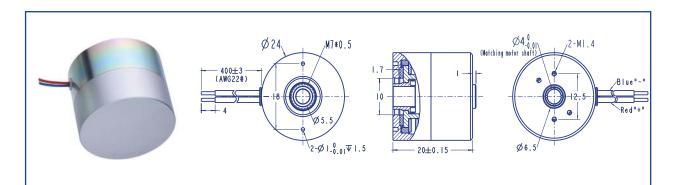
## **POWER-ON BRAKE**



4. General purpose motor

## AM-BK2420GE Series



ELECTROMAGNETIC BRAKE										
1) Parameters										
Parameters/Models	Static fricti torque	on Rated Voltage	Power	Temperature Rating	Maximum Speed	Moment of inertia Weight				
AM-BK2420GE-2402	0.2 N.M	24 V	4.5 W	120 °C	10000 rpm	18.0 g.cm <sup>2</sup>	62.0 g			
Parameters/Models	Life time	Thermal Resistance	Thermal time Constant	Coil Inductance	Electrical Time Constant	Operating Environment Temperature				
AM-BK2420GE-2402	100000 Tim	ies 30.0 K/W	830 s	86.3 mH	0.7 ms	-25~55 °C (Customizable)				
2) Special features				3) Applications						
1. Fixed accuracy, no bac	. Small size and high	nall size and high torque		1. Robotic brake		2. Z-axis brake				

3. Servo motor static braking

## 4) Precautions

3. Low noise, high speed

- 1. Avoid contact with oil or dust, these factors will reduce the torque of the product;
- 2. Please connect with the product with the correct voltage and polarity to avoid damage or abnormal work;

4. Fast response and long life

- 3. The initial torque may not reach the rated torque for the first time. Please rotate 50 to 60 times at 40 to 60 rpm in the braking state;
- 4. This product cannot be used as a high-speed dynamic brake.

5) Reco	mmended (	Combinatio	n					
To	tal Length of G	eared Motor S	System: L <sub>T</sub> =L2	AM-BK2420GE Combiniation Scheme				
L2:BL24	L3:EN16S	L3:EN24T	L2:BL28	L3:EN16S	L3:EN24T	← L2 →     ← L4 →     ← L3 →		
53.0	10.7	12.0	45.0	10.7	12.0	Brake- Brake-		
L2:BL32 60.0	L3:EN22S 10.7	L3:EN24T 12.0				Recommended Motor: Recommended Encoder: Brush less Motor: Encoder S: AM-EN1611S***		
70.0						AM-BL/D24** AM-EN2211S*** AM-BL28** Encoder T: AM-EN2412T*** AM-BL32**		
						For more combination specs, visit Assun Motor website.		
						For more Motor and encoder specs, see Assun Motor website.		

Please tell us if there is vibration in application. Client should pay attention to the integrity and reliability of the transmitted signal.

Download datasheet: <a href="https://assunmotor.com/documents-download">https://assunmotor.com/documents-download</a>