

3828ZWW

Outer Rotor Without Sensor

Applications: Precision driving field in medical equipment, industrial automation, etc.

Characteristics

			-1-24.0	
1	Voltage	V	24	
2	Terminal resistance	Ω	0.48	
3	No-load speed	rpm	29000	
4	No-load current	A	0.7	
5	Nominal torque	mNm	23	
6	Nominal speed	rpm	27300	
7	Nominal current	A	3.66	
8	Max. output power	W	292	
9	Max. efficiency	%	78	
10	Back-EMF constant	mV/rpm	0.82	
11	Torque constant	mNm/A	7.8	
12	KV Value	rpm/V	1200	
13	Speed/torque gradient	rpm/mNm	75.5	
14	Rotor inertia	gcm ²	96	
15	Weight	g	105	
16	Thermal resistance housing-ambient	K/W	4.1	
17	Thermal resistance winding-housing	K/W	4.5	
18	Thermal time constant motor	s	110	
19	Thermal time constant winding	s	35	
20	Operating temperature range	$^{\circ}\text{C}$	-40~+100	
21	Max. winding temperature	$^{\circ}\text{C}$	155	
22	Axial play	mm	0.012	
23	Radial play	mm	0.008	
24	Axial load dynamic	N	10	
25	Axial load static	N	110	
26	Radial load at 3 mm from mounting face	N	42	
27	No. of pole pairs		2	
28	Bearings		2 ball bearings	
29	Commutation		Sensorless	
30	Protection class		IP 20	

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Bearing type
- Hall sensor
- Encoder
- Driver

Outline Drawing

