

4040ZWN

Inner Rotor With Sensor

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

Characteristics

			-2-24.0	
1	Voltage	V	24	
2	Terminal resistance	Ω	2	
3	No-load speed	rpm	42000	
4	No-load current	A	0.17	
5	Stall torque	mNm	64	
6	Stall current	A	12	
7	Nominal torque	mNm	7.3	
8	Nominal speed	rpm	37200	
9	Nominal current	A	1.5	
10	Max. output power	W	70	
11	Max. efficiency	%	78	
12	Back-EMF constant	mV/rpm	0.56	
13	Torque constant	mNm/A	5.3	
14	KV Value	rpm/V	1750	
15	Speed/torque gradient	rpm/mNm	660	
16	Rotor inertia	gcm ²	20	
17	Weight	g	200	
18	Thermal resistance housing-ambient	K/W	5	
19	Thermal resistance winding-housing	K/W	12	
20	Thermal time constant motor	s	1400	
21	Thermal time constant winding	s	20	
22	Operating temperature range	°C	-40~+100	
23	Max. winding temperature	°C	155	
24	Axial play	mm	2.3	
25	Radial play	mm	0.012	
26	Axial load dynamic	N	8	
27	Axial load static	N	110	
28	Radial load at 3 mm from mounting face	N	31	
29	No. of pole pairs		2	
30	Bearings		2 ball bearings	
31	Commutation		Hall Sensor	
32	Protection class		IP 20	

Options

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

Outline Drawing

ROTATION: CCW

UNIT: MM

