

# 7584ZWND

## Interior Rotor With Integrated Driver

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

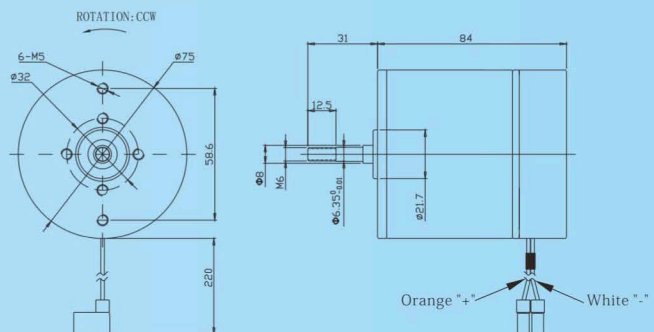
### Characteristics

			-1-24.0	
1	Voltage	V	24	
2	Operating Voltage	V	12~26	
3	Terminal resistance	$\Omega$	2.8	
4	No-load speed	rpm	6300	
5	No-load current	A	0.3	
6	Nominal torque	mNm	106	
7	Nominal speed	rpm	4000	
8	Nominal current	A	3.2	
9	Max. output power	W	49	
10	Max. efficiency	%	69	
11	Back-EMF constant	mV/rpm	3.7	
12	Torque constant	mNm/A	35	
13	KV Value	rpm/V	263	
14	Speed/torque gradient	rpm/mNm	21	
15	Rotor inertia	gcm <sup>2</sup>	28	
16	Weight	g	1160	
17	Thermal resistance housing-ambient	K/W	2	
18	Thermal resistance winding-housing	K/W	3	
19	Thermal time constant motor	s	112	
20	Thermal time constant winding	s	8.9	
21	Operating temperature range	°C	-40~+100	
22	Max. winding temperature	°C	130	
23	Axial play	mm	4	
24	Radial play	mm	0.3	
25	Axial load dynamic	N	10	
26	Axial load static	N	300	
27	Radial load at 3 mm from mounting face	N	215	
28	No. of pole pairs		2	
29	Bearings		2 ball bearings	
30	Commutation		Hall Sensor	
31	Protection class		IP 30	

### Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Bearing type

### Outline Drawing



UNIT:mm