



Maximum speed 6000rpm

Waterproof level IP54/65

Maximum torque 0.60Nm

Rated power 50W

Product specification

technical parameter		DC48V
Sevor Motor Model	ZKSY40-	4850
Rated Power	W	50
Pole pairs	/	5
Stall Torque	Nm	0.16
Rated Torque	Nm	0.16
Maximum Torque	Nm	0.60
Quiescent current	Arms	3.8
Rated Current	Arms	3.8
Maximum Current	Arms	15.3
Rated Speed	rpm	3000
Maximum Speed	rpm	6000
Torque Constant	Nm/A	0.04
Rotor moment of inertia	10 ⁻⁴ kgm ²	0.035
IP level	/	IP54/65
Thermal Class	/	Class F
Line Resistance	Ohm	1.1
Line Inductance	mH	4.6
EMF	V/krpm	2.9
Total length of motor (L)	mm	57.5

Pin number	Power cord definition
1	U red
2	V white
3	W black
4	PE yellow-green

Incremental number cable definition	Pin number	signal	linear color
1	0ND	black	
2	Vcc	red	
3	W+	ash	
4	V+	orange	
5	U+	blue	
6	Z+	palm	
7	B+	white	
8	A+	yellow	
9	/	/	/
10	/	/	/
11	/	/	/
12	/	/	/
13	Z-	purple	
14	B-	power	
15	A-	green	

Allowable load

Position of stress point	mm	25
Radial allowable load	N	55
Axial allowable load	N	80

Brake parameters

Rated voltage	VDC	24±10%
resistance	Ohm	94.4±7%
excitation current	ADC	0.25
Holding torque	Nm	0.32
Pull-in time	ms	<50
Release time	VDC	<20
Moment of inertia	10 ⁻⁴ kgm ²	0.00231
Swing clearance	°	<0.5

Absolute value encoder line color definition		
Pin number	signal	Linear color
1	PE	black
2	5V	red
3	0V	black
4	SD+	blue
5	SD-	yellow
6	VB+	palm
7	VB-	white

Product appearance

