



- Maximum speed 6000rpm
- Waterproof level IP54/65
- Maximum torque 0.60Nm
- Rated power 50W

Product specification

technical parameter		DC24V
Sevor Motor Model	ZKSY40-	2450
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	7.3
Rated Current	Arms	7.3
Maximum Current	Arms	29.2
Rated Speed	rpm	3000
Maximum Speed	rpm	6000
Torque Constant	Nm/A	0.02
Rotor moment of inertia	10 ⁻⁴ kgm ²	0.035
IP level	/	IP54/65
Thermal Class	/	Class F
Line Resistance	Ohm	0.28
Line Inductance	mH	0.2
EMF	V/rpm	1.45
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	signal	linear color
1	GN	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

