



Maximum speed 6000rpm

Waterproof level IP54/65

Maximum torque 1.20N·m

Rated power 100W

## Product specification

technical parameter		DC48V
Sevor Motor Model	ZKS140-	48100
Rated Power	W	100
Pole pairs	/	5
Stall Torque	Nm	0.32
Rated Torque	Nm	0.32
Maximum Torque	Nm	1.20
Quiescent current	Ars	5.0
Rated Current	Ars	5.0
Maximum Current	Ars	20.0
Rated Speed	rpm	3000
Maximum Speed	rpm	6000
Torque Constant	Nm/A	0.06
Rotor moment of inertia	10 <sup>-4</sup> kgm <sup>2</sup>	0.069
IP level	/	IP54/65
Thermal Class	/	Class F
Line Resistance	Ohm	0.9
Line Inductance	mH	0.8
EMF	V/krpm	4.3
Total length of motor (L)	mm	72

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

Pin number	signal	line color
1	GN	black
2	Vcc	red
3	W+	ash
4	V+	orange
5	U+	blue
6	Z+	pala
7	B+	white
8	A+	yellow
9	/	/
10	/	/
11	/	/
12	/	/
13	Z-	purple
14	B-	powder
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 <sup>-4</sup> kgm <sup>2</sup>	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

