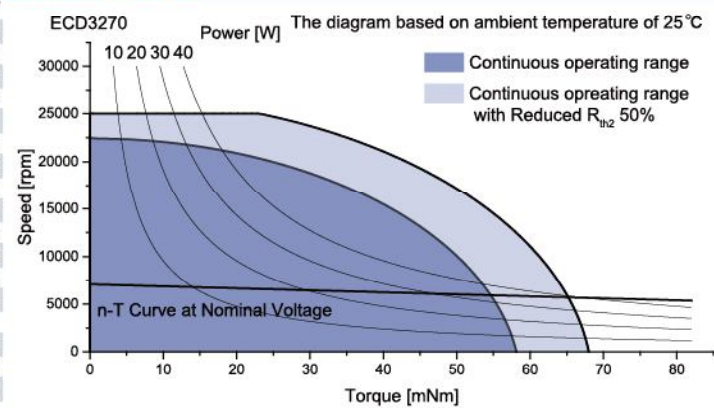


	With hall sensor	ECD3270S-...	1207	2407				
Motor data								
Values at nominal voltage								
1	Nominal voltage	V	12	24				
2	No load speed	rpm	7200	7100				
3	No load current	mA	194	110				
4	Nominal speed	rpm	6623	6243				
5	Nominal torque	mNm	25	40				
6	Nominal current	A	1.78	1.36				
7	Stall torque	mNm	312	331				
8	Stall current	A	20	10.5				
9	Max. efficiency	%	81.3	80.6				
10	Supply voltage +Vcc	V	10..28	10..28				
11	Direction of rotation		CW	CW				
12	Torque constant	mNm/A	15.8	31.9				
13	Speed constant	rpm/V	606	299				
14	Speed/torque gradient	rpm/mNm	23.1	21.4				
15	Mechanical time constant	ms	3.7	3.5				
16	Rotor inertia	gcm ²	15.5	15.5				

17	Thermal resistance housing-ambient	5 K/W
18	Thermal resistance winding-housing	4 K/W
19	Thermal time constant winding	52 s
20	Thermal time constant motor	540 s
21	Ambient temperature	-30...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	25000 rpm
24	Axial play at axial load <8 N	0 mm
	>8 N	max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	7.5 N
27	Max. force for press fits (static)	100 N
	(static, shaft supported)	2700 N
28	Max. radial loading, 5mm from flange	25 N
29	Number of pole pairs	1
30	Number of phases	3
31	Weight of motor	255 g

Operating Range



Controller features	
Sensor	Open loop, $I_{max} < 2.2A$
Overload protection	Stall protection
Max. temperature of electronics	+105°C

Connection

Connection		PTFE
Pin 1	+VCC	AWG20 red
Pin 2	GND	AWG20 black

Caution:
 Incorrect lead connection will damage the controller!

Configuration

Function: On&Off/Direction/Speed control/Brake
 Speed closed&open-loop Control/Speed feedback
 Performance: Customized in the continuous operating range
 Ball bearing: Preload
 Flange: Standard frange front&back/customize the frange
 Shaft: Length/Diameter/Cut face
 Leadwire: PVC/Silicon/Teflon/UL No/Dimension/length
 Connector: JST/MOLEX/TE

More :
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