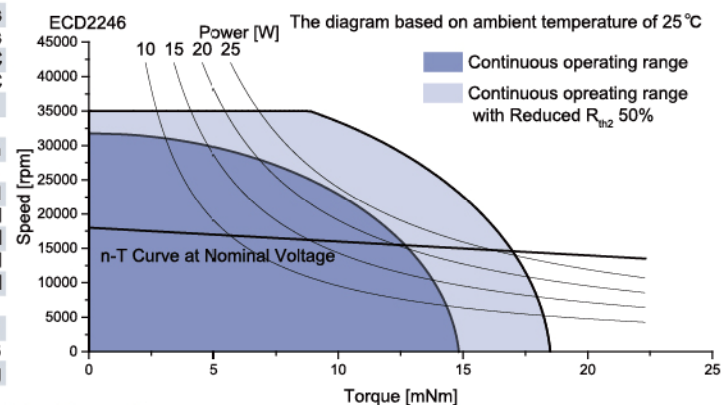


With hall sensor ECD2246S-...		1212	2416					
Motor data								
Values at nominal voltage								
1	Nominal voltage	V	12	24				
2	No load speed	rpm	12200	16768				
3	No load current	mA	137	115				
4	Nominal speed	rpm	10585	14337				
5	Nominal torque	mNm	8	12				
6	Nominal current	A	1.01	1.01				
7	Stall torque	mNm	60.4	82.8				
8	Stall current	A	6.7	6.28				
9	Max. efficiency	%	73.5	74.8				
10	Supply voltage +Vcc	V	10..28	10..28				
11	Direction of rotation		CW	CW				
12	Torque constant	mNm/A	9.2	13.4				
13	Speed constant	rpm/V	1038	712				
14	Speed/torque gradient	rpm/mNm	202	203				
15	Mechanical time constant	ms	4.8	4.8				
16	Rotor inertia	gcm ²	2.3	2.3				

17	Thermal resistance housing-ambient	12.7 K/W
18	Thermal resistance winding-housing	5.0 K/W
19	Thermal time constant winding	12 s
20	Thermal time constant motor	420 s
21	Ambient temperature	-40...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	35000 rpm
24	Axial play at axial load <4 N	0 mm
	>4 N	max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	3.5 N
27	Max. force for press fits (static)	44 N
	(static, shaft supported)	1200 N
28	Max. radial loading, 5mm from flange	15 N
29	Number of pole pairs	1
30	Number of phases	3
31	Weight of motor	79 g

Operating Range



Controller features	
Sensor	Open loop, I _{max} < 1.5A
Overload protection	Stall protection
Max. temperature of electronics	+105°C

Connection

Conection	PTFE	
Pin 1 +VCC	AWG24	red
Pin 2 GND	AWG24	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 within 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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