

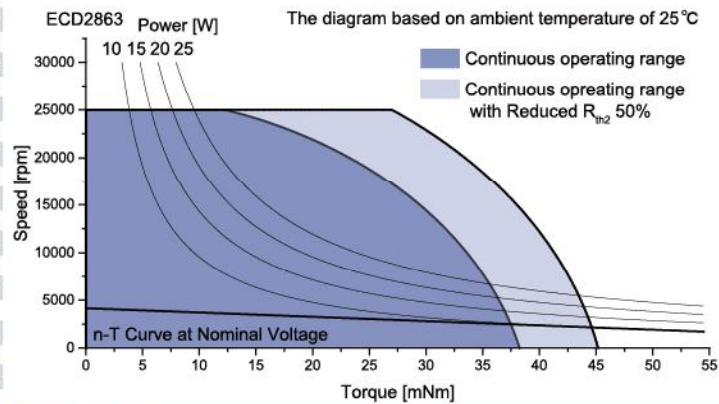
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	With hall sensor	ECD2863S-...	1204	2404				
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Motor data								
Values at nominal voltage								
1	Nominal voltage	V	12	24				
2	No load speed	rpm	4168	4163				
3	No load current	mA	70	60				
4	Nominal speed	rpm	3264	3033				
5	Nominal torque	mNm	25	25				
6	Nominal current	A	0.99	0.53				
7	Stall torque	mNm	115	92.1				
8	Stall current	A	4.33	1.79				
9	Max. efficiency	%	76.2	66.7				
10	Supply voltage +Vcc	V	10..28	10..28				
11	Direction of rotation		CW	CW				
12	Torque constant	mNm/A	27	53.2				
13	Speed constant	rpm/V	353	179				
14	Speed/torque gradient	rpm/mNm	36.2	45.2				
15	Mechanical time constant	ms	3.2	4.0				
16	Rotor inertia	gcm ²	8.5	8.5				

17	Thermal resistance housing-ambient	7.1 K/W
18	Thermal resistance winding-housing	5 K/W
19	Thermal time constant winding	51 s
20	Thermal time constant motor	552 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)	2000 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	188 g

Operating Range



Controller features	
Sensor, Open loop, I _{max} < 1.8A	
Overload protection, Stall protection	
Max. temperature of electronics	+105°C

Connection

Connection	
Pin 1 +VCC	PTFE 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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