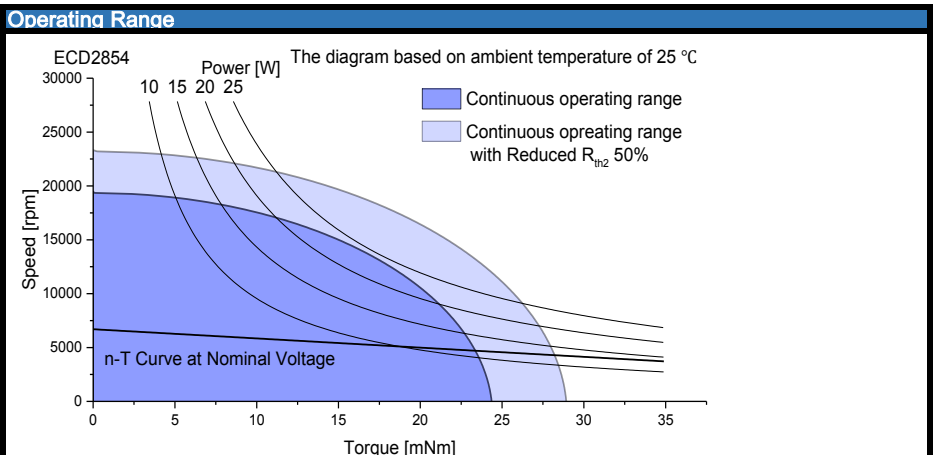


With hall sensor	ECD2854S-...	1206	2406						
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Motor data									
1	Nominal voltage	V	12	24					
2	No load speed	rpm	6878	6700					
3	No load current	mA	121	76					
4	Nominal speed	rpm	5674	5157					
5	Nominal torque	mNm	15	18					
6	Nominal current	A	1,04	0,62					
7	Stall torque	mNm	85,7	78,1					
8	Stall current	A	5,38	2,43					
9	Max. efficiency	%	72,3	67,8					

10	Supply voltage +Vcc	V	10..28	10..28					
11	Direction of rotation		CW	CW					
12	Torque constant	mNm/A	16,3	33,1					
13	Speed constant	rpm/V	586	288					
14	Speed/torque gradient	rpm/mNm	80,3	85,7					
15	Mechanical time constant	ms	4,4	4,7					
16	Rotor inertia	gcm ²	5,2	5,2					

17	Thermal resistance housing-ambient	9.6 K/W
18	Thermal resistance winding-housing	6.3 K/W
19	Thermal time constant winding	37 s
20	Thermal time constant motor	584 s
21	Ambient temperature	-40...+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	153 g



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

Configuration	
Function:	On&Off/Direction/Speed control/Brake
Speed control:	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

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

More :
Please contact our sales engineers

Caution:
Incorrect lead connection will damage the controller!