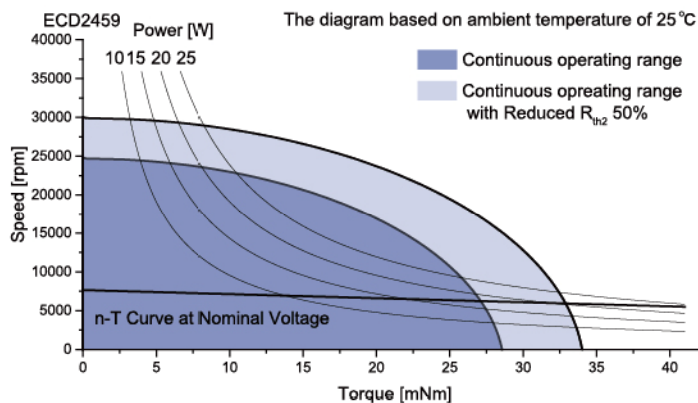


M 1:1

With hall sensor ECD2459S-...		1207	2407
Motor data			
Values at nominal voltage			
1	Nominal voltage	V	12 24
2	No load speed	rpm	7699 7655
3	No load current	mA	114 73
4	Nominal speed	rpm	6958 6597
5	Nominal torque	mNm	14 20
6	Nominal current	A	1.07 0.75
7	Stall torque	mNm	145 145
8	Stall current	A	10 4.98
9	Max. efficiency	%	79.8 77.2
10	Supply voltage +Vcc	V	10..28 10..28
11	Direction of rotation	CW	CW
12	Torque constant	mNm/A	14.7 29.5
13	Speed constant	rpm/V	649 324
14	Speed/torque gradient	rpm/mNm	52.9 52.9
15	Mechanical time constant	ms	3.3 3.3
16	Rotor inertia	gcm ²	5.9 5.9

17	Thermal resistance housing-ambient	10.2 K/W
18	Thermal resistance winding-housing	6.4 K/W
19	Thermal time constant winding	36 s
20	Thermal time constant motor	555 s
21	Ambient temperature	-40...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	30000 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	130 g

Operating Range



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

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

Connection

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

Caution:

Incorrect lead connection will damage the controller!

More :

Please contact our sales engineers