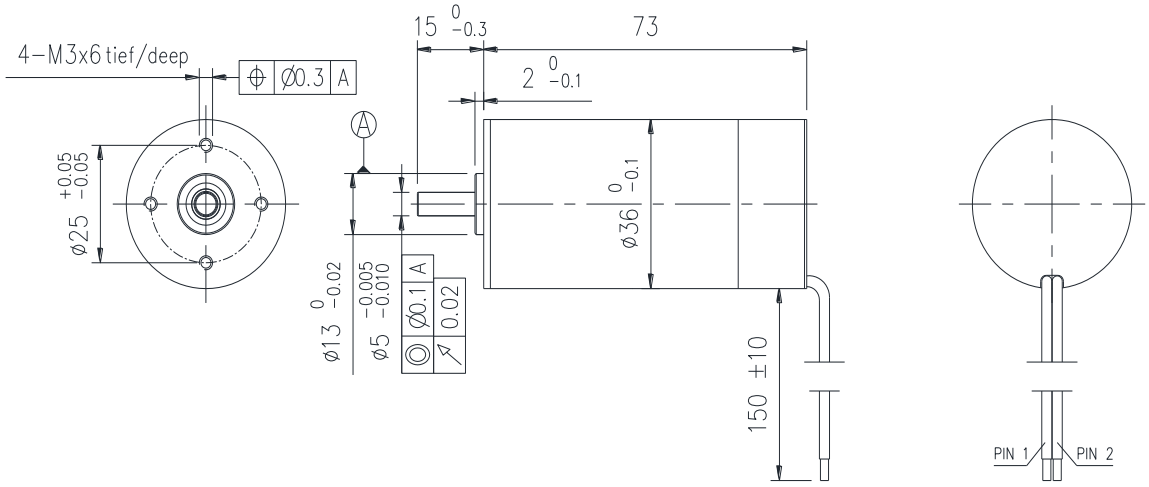


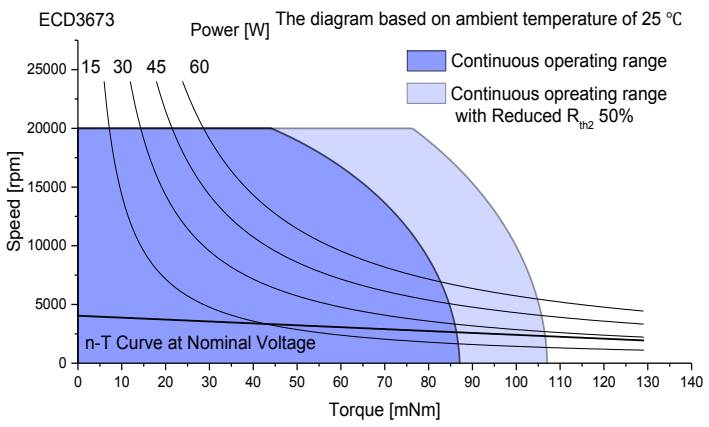
M 1:2

With hall sensor ECD3673S-...		1204	2404						
Motor data									
1 Nominal voltage	V	12	24						
2 No load speed	rpm	4070	4041,5						
3 No load current	mA	148	84						
4 Nominal speed	rpm	3229	3223						
5 Nominal torque	mNm	50	50						
6 Nominal current	A	1,95	0,98						
7 Stall torque	mNm	242	247						
8 Stall current	A	8,89	4,52						
9 Max. efficiency	%	75,9	74,6						
10 Supply voltage +Vcc	V	10..28	10..28						
11 Direction of ratation		CW	CW						
12 Torque constant	mNm/A	27,7	55,7						
13 Speed constant	rpm/V	345	172						
14 Speed/torque gradient	rpm/mNm	16,8	16,4						
15 Mechanical time constant	ms	3,4	3,3						
16 Rotor inertia	gcm^2	19,5	19,5						

17 Thermal resistance housing-ambient		4.9 K/W
18 Thermal resistance winding-housing		1.6 K/W
19 Thermal time constant winding		45 s
20 Thermal time constant motor		630 s
21 Ambient temprature		-40…+100°C
22 Max. permissible winding temperature		+150°C
23 Max. permissible speed		20000 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	317 g

Operating Range



Controller features

Sensor, Open loop, Imax < 4A
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 :
Please contact our sales engineers