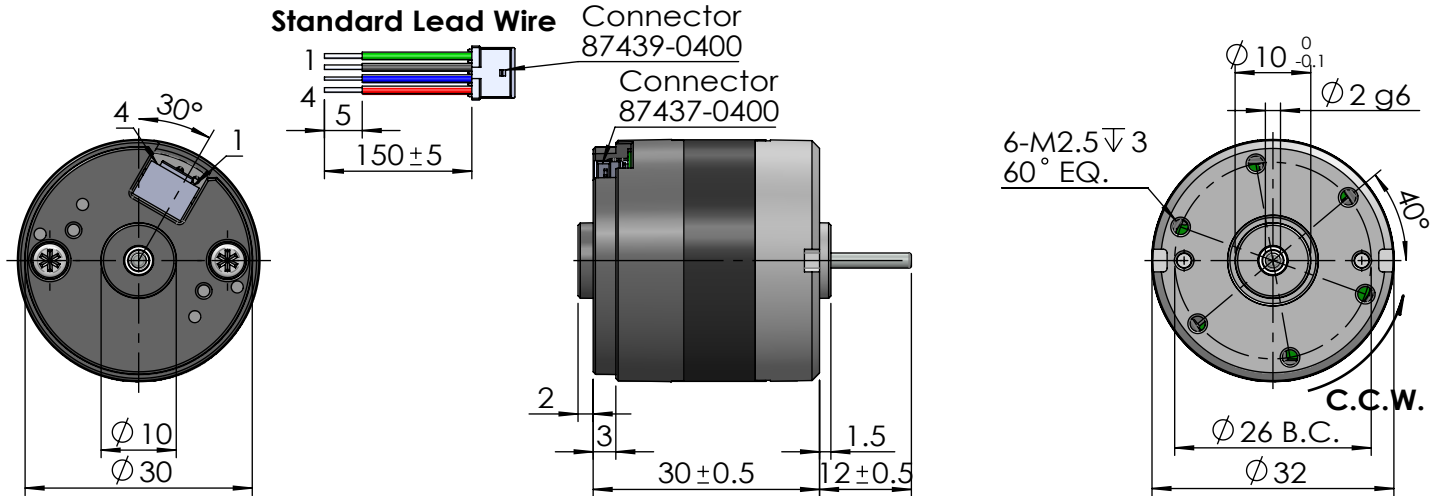


EA323

B-Class Insulation / IP5X Protection

Brushless Motor Internal Easy-Use Driver



EA323									10W		Weight			Inertia		Cogging		
Motor Data											70 g			6.4 g-cm ²		6 g-cm		
Item	Volt	No Load		Rated at Max. Eff.					Stall		Pmax	Rt	La	Kt	Ke	Ks	Tm	Te
Unit	V	rpm	mA	rpm	mA	g-Cm	W	%	g-Cm	mA	W	Ω	mH	Kg-cm/A	V/krpm	rpm/V	mS	mS
-119	12	1900	70	1430	251	99	1.5	48.33	400	800	2.0	14.6	6.3	0.548	5.62	178	3.1	0.43
-123	12	2330	80	1789	317	116	2.1	56.10	500	1100	3.0	10.6	4.2	0.490	5.03	199	2.8	0.40
-127	12	2730	90	2134	398	120	2.6	55.13	550	1500	3.9	7.6	3.2	0.390	4.00	250	3.2	0.42
-132	12	3250	100	2562	502	127	3.3	55.45	600	2000	5.0	5.4	2.2	0.316	3.24	308	3.5	0.41
-137	12	3730	140	2791	774	151	4.3	46.59	600	2660	5.7	4.1	1.7	0.238	2.44	409	4.6	0.41
-140	12	4000	150	2920	982	162	4.9	41.24	600	3230	6.2	3.4	1.5	0.195	2.00	500	6	0.44
-147	12	4700	210	3267	1354	183	6.1	37.79	600	3960	7.2	2.6	1	0.160	1.64	609	6.5	0.38
-154	12	5350	280	3776	1634	206	8.0	40.74	700	4880	9.6	2.0	0.83	0.152	1.56	640	5.5	0.42
-160	12	6040	370	4288	2104	232	10.2	40.47	800	6350	12.4	1.5	0.64	0.134	1.37	728	5.4	0.43
-175	12	7510	410	5566	2292	233	13.3	48.42	900	7680	17.4	1.2	0.47	0.124	1.27	787	5.0	0.39
-230	24	3000	50	1730	198	127	2.3	47.44	300	400	2.3	50.7	22.9	0.857	8.80	114	4.4	0.45
-240	24	4000	70	2650	273	135	3.7	56.18	400	670	4.1	37.8	14.1	0.667	6.84	146	5.4	0.37
-250	24	5000	85	3350	387	165	5.7	61.13	500	1000	6.4	23.7	9.2	0.546	5.61	178	5.1	0.39
-254	24	5400	95	4042	413	176	7.3	73.70	700	1360	9.7	18.3	7.9	0.553	5.68	176	4	0.43
-259	24	5900	110	4359	499	209	9.4	78.08	800	1600	12.1	14.6	6.3	0.537	5.51	181	3.2	0.43
-273	24	7320	130	5812	556	206	12.3	92.08	1000	2200	18.8	10.6	4.2	0.483	4.96	202	2.9	0.40
-284	24	8430	150	6721	728	223	15.4	88.13	1100	3000	23.8	7.6	3.2	0.386	3.96	252	3.3	0.42
-2A1	24	10120	180	8064	997	254	21.0	87.92	1250	4200	32.5	5.4	2.2	0.311	3.19	313	3.6	0.41

Pin No.	Symbol	Function	Standard condition	Coller of wire	
1	F / R	H:CCW L:CW	H:GND open L:Connector to GND	Green	#24 AWG UL1430
2	GND	Power GND	DC7~30V MAX.	Black	
3	Brake	BEMF Brake operates	Connector to GND	Blue	
4	VM+	Power positive for drive (Enable)	DC7~30V MAX. (Voltage speed control)	Red	

The **Easy-use** driver operates similarly to a brushed motor, power on to start, power off to stop, without requiring an additional 5V PWM signal, grounding the F/R pin to reverse rotation, and it comes with a braking function, it is the easiest to use driver; when the power supply has overload protection, the brake pin can be used as a start switch, extending the lifespan of the switch.

Warning: Reversing the polarity will cause damage to the driver.