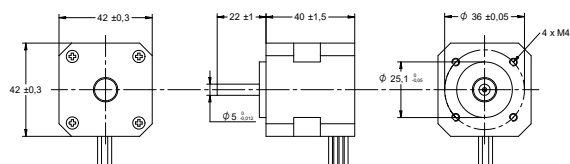
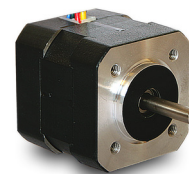


DRAWING (mm)



PHOTO

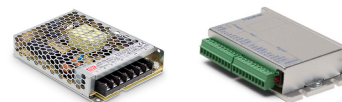


MODEL NO. DESIGNATION

B4240 - VOLTAGE

Example: B4240-12

ACCESSORIES



● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

BRUSHLESS DC MOTOR DATA		B4240-12	B4240-24	C
Nominal voltage	V	12	24	
Commutator hall voltage	V	5 ~ 24	5 ~ 24	
No load speed	rpm	6700	6500	
No load current	A	0.5	0.5	
Nominal speed	rpm	4000	4000	
Nominal torque	mNm	63	63	
Nominal current	A	3.7	1.9	
Start/Stall torque	mNm	200	240	
Efficiency	%	59	57	
Nominal power	W	26	26	
Terminal resistance	Ω	0.41	1.5	
Terminal inductance	mH	0.51	2.1	
Torque constant	mNm/A	17	33	
Rotor inertia	gcm ²	24	24	
Bearing type		Ball bearing		
Axial play at axial load < 3.5 N	mm	0.14		
Axial play at axial load > 3.5 N	mm	0.14		
Radial play	mm	0.02		
Max. dynamic axial load	N	10		
Max. radial load ¹	N	28		

NOTES

1. 10 mm from flange.

OTHER BRUSHLESS DC MOTOR DATA		B4240-12	B4240-24	C
Number of pole pairs		4		
Number of phases		3		
Weight	g	300		
Operating temperature	°C	-20 to 50		
Max. winding temperature	°C	130		
Motor insulation class		B		
IP rating		IP40		
Hall sensors and power harness length	mm	400		●
Power harness		UL1430 AWG20		
Hall sensors harness		UL1430 AWG26		
Shaft length from flange	mm	22		●
Shaft diameter ø	mm	5		
Service life	h	10000		
Manufacturing standard		ISO9001 ISO14001 TS16949		

CABLE AND PIN CONFIGURATION				C
Power		Hall		
Phase	Cable color	Phase	Cable color	
U	YEL	HU	BLU	
V	RED	HV	GRN	
W	BLK	HW	WHT	
		+5V	RED	
		GND	BLK	