



36PG-3650BL planetary gear motors, 24V , Max power 30w

Model	Gear ratio	No-load		Rated			Protect Current A	Gearbox Length (L)
		Current mA	Speed RPM	Speed RPM	Torque Kg.cm	Current A		
36PG-3650BL-5.2	5.2	< 400	1535	700	3	< 2.6	3	26.5
36PG-3650BL-14	14	< 400	570	260	8	< 2.6		34.5
36PG-3650BL-19	19	< 400	420	190	11	< 2.6		
36PG-3650BL-27	27	< 400	300	130	16	< 2.6		
36PG-3650BL-51	51	< 400	160	80	30	< 2.6		
36PG-3650BL-100	100	< 400	80	40	60	< 2.6		42.5
36PG-3650BL-139	139	< 400	58	34	60	< 2.6		
36PG-3650BL-264	264	< 400	30	15	60	< 2.6		
36PG-3650BL-515	515	< 400	15	8	60	< 2	50.5	

36PG-3650BL planetary gear motors, 12V , Max power 7w

Model	Gear ratio	No-load		Rated			Protect Current A	Gearbox Length (L)
		Current mA	Speed RPM	Speed RPM	Torque Kg.cm	Current A		
36PG-3650BL-5.2	5.2	< 280	770	360	1.5	< 1.8	3	26.5
36PG-3650BL-14	14	< 280	290	135	4	< 1.8		34.5
36PG-3650BL-19	19	< 280	210	100	5.5	< 1.8		42.5
36PG-3650BL-27	27	< 280	150	65	8	< 1.8		50.5
36PG-3650BL-51	51	< 280	80	40	15	< 1.8		
36PG-3650BL-100	100	< 280	40	20	30	< 1.8		
36PG-3650BL-139	139	< 280	29	16	40	< 1.8		
36PG-3650BL-264	264	< 280	15	7	60	< 1.8		
36PG-3650BL-515	515	< 280	7	4	60	< 1.8		



MOTOR

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Motor terminations:

Terminations		I/O	Conditions	Remark
GND		IN	Ground	(black wire) Ground
Vcc		IN	DC 12 / 24V \pm 10%	(red wire) Power supply
FG	VOH	OUT	Min4V at 5V10K Ω pull up	(yellow wire) this is the open collector output, which can detect the rotation speed using the FG output according to the phase shift
	VOL		Min0V Max0.6V	
	FG current		Max 5mA	
	FG pulse quantity		6 pulse per circle	
PWM	Input voltage	IN	0~5V	(blue wire)
	VIH		Min 2.0V	Motor stop
	VIL		Max0.6V	Motor running
	PWM frequency		Max 50kHz	Advise 15~25kHz
CW/ CCW	Input voltage	IN	0~5V	(white wire)
	VIH		Min 2.0V	CCW
	VIL		Max 0.6V	CW

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