

DC BRUSHLESS PLANETARY GEAR MOTOR

DM-24PBL2418

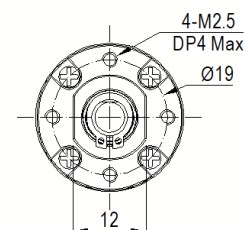
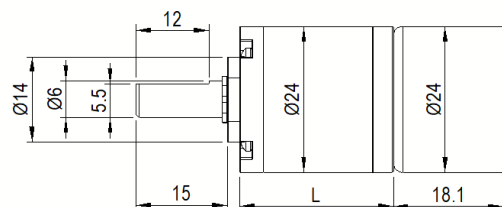
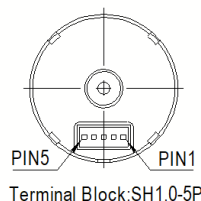
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,
spotlight, tissue machine, office equipments, household appliances,
automatic actuator



APPEARANCE SIZE



unit: mm

No.	Pin Arrangement
1	Vcc
2	FG
3	CW/CCW
4	GND
5	PWM

Gearbox Data :

Number of stages	1	2	3	4	5
Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
Gearbox Length L (mm)	16.2	20.8	25.4	30	34.6
Breaking Torque (kgf.cm)	2	3	4	5	5
Gearbox Efficiency η	90%	81%	73%	65%	59%

BLDC Motor Data :

DC Motor Model	Rated	No load		Max efficiency load				Stall	
	Volt.	Current	Speed	Current	Speed (n _m)	Torque (t _m)	P.out	Torque	Current
	V	mA	r/min	mA	r/min	g.cm	W	g.cm	mA
DM-BL2418-006-6000	6.0	≤200	6000	≤700	4560	32.5	1.5	≥133.0	≥1500
DM-BL2418-006-9000	6.0	≤260	9000	≤900	7000	37.0	3.7	≥164.0	≥2900
DM-BL2418-012-5800	12.0	≤180	5800	≤240	4600	20.8	1.0	≥71.0	≥400
DM-BL2418-024-9000	24.0	≤65	9000	≤230	6400	34.0	2.3	≥120.0	≥600

BLDC Geared Motor Data :

Gear Motor Model	Rated	No load		Max efficiency load				Stall	
	Volt.	Current	Speed	Current	Speed (n)	Torque (t)	P.out	Torque	Current
	V	A	r/min	A	r/min	Kgf.cm	W	Kgf.cm	A
DM-24PBL2418-0066000-4K	6	0.22	1513.6	0.64	1050.0	0.21	2.3	0.6	1.7
DM-24PBL2418-0066000-4.75K	6	0.22	1290.9	0.63	884.0	0.23	2.1	0.7	1.7
DM-24PBL2418-0066000-16K	6	0.22	384.5	0.67	259.5	0.69	1.8	2.1	1.7
DM-24PBL2418-0066000-22.5K	6	0.22	270.4	0.64	188.0	0.91	1.8	3.0	1.7
DM-24PBL2418-0066000-43K	6	0.22	140.0	0.67	95.1	1.64	1.6	4.8	1.7
DM-24PBL2418-0066000-64K	6	0.24	96.4	0.67	64.5	2.41	1.6	7.3	1.7
DM-24PBL2418-0066000-79K	6	0.24	77.9	0.66	51.8	2.97	1.6	8.9	1.7
DM-24PBL2418-0066000-107K	6	0.24	56.4	0.62	39.6	3.37	1.4	11.3	1.7
DM-24PBL2418-0066000-150K	6	0.28	40.3	0.65	27.6	4.31	1.2	13.7	1.7
DM-24PBL2418-0066000-204K	6	0.28	29.9	0.63	20.8	5.38	1.2	17.7	1.7
DM-24PBL2418-0066000-256K	6	0.28	23.4	0.65	16.3	7.10	1.2	23.4	1.7
DM-24PBL2418-0066000-361K	6	0.28	16.8	0.63	11.7	9.11	1.1	33.5	1.7
DM-24PBL2418-0066000-429K	6	0.28	13.8	0.66	9.6	11.18	1.1	37.9	1.7
DM-24PBL2418-0066000-509K	6	0.28	11.8	0.66	8.2	14.16	1.2	45.6	1.7
DM-24PBL2418-0069000-4K	6	0.30	2250.0	1.02	1576.5	0.23	3.7	0.7	3.0

电机参数仅供参考，请以实际样板为准;可以依据客户要求定制参数。
The motor parameters are for reference only, please refer to real measured data;
We can customize parameters according to customer requirements.
减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩*齿轮箱减数比*齿轮箱传动效率。
Gear Motor Output Speed=DC Motor Speed/Gear Ratio ($n=n_m/i$)
Gear Motor Output Torque=DC Motor Torque*Gear Ratio*Gearbox Efficiency. ($t=t_m*i*\eta$)