



60W 90mm

直流无刷减速电机 BLDC GEAR MOTOR

低压无刷电机性能参数 Low Voltage Motor Parameters

型号 Model	额定功率 Rated power W	电压 Voltage V	额定电流 Rated current A	启动转矩 Starting torque N.m	额定力矩 Rated torque N.m	额定转速 Rated speed N.m	防护等级 Grade protection IP
M5BLD60-24GN-30S	60	24	3.5	0.382	0.191	3000	20
M5BLD60-48GN-30S	60	48	1.8	0.382	0.191	3000	20

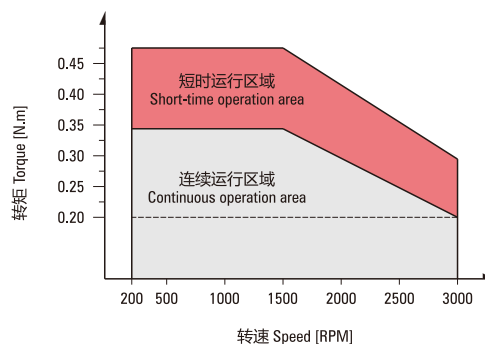
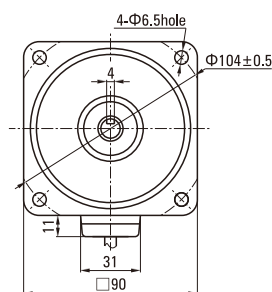
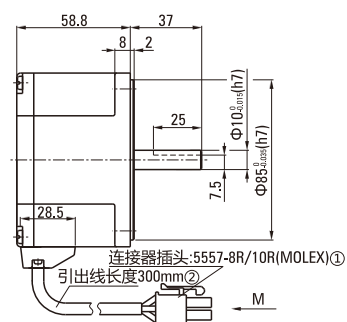
高压无刷电机性能参数 High Voltage Motor Parameters

型号 Model	额定功率 Rated power W	电压 Voltage V	额定电流 Rated current A	启动转矩 Starting torque N.m	额定力矩 Rated torque N.m	额定转速 Rated speed N.m	防护等级 Grade protection IP
M5BLD60-220GN-30S	60	220	0.5	0.382	0.191	3000	20

圆轴型光电机 Circular Shaft Type Optical Motor

M5BLD60-□A-30S □—电压 Voltage 24/48/220

M5BLD60-220A-30S 曲线图 Diagram



①Connector: 5557-8R/10R (MOLEX) ②Lead wire length 300mm

低压电机接线插孔对应信号说明

Low Voltage Wrie Plughole Corresp-onding Signal Explanation

1	2	3	4	5	6	7	8
绿 (粗)	黑 (细)	蓝 (细)	红 (细)	黄 (粗)	蓝 (粗)	绿 (细)	黄 (细)
V	GND	Hv	Vcc+5V	U	W	Hv	Hu

高压电机接线插孔对应信号说明

High Voltage Wrie Plughole Corresp-onding Signal Explanation

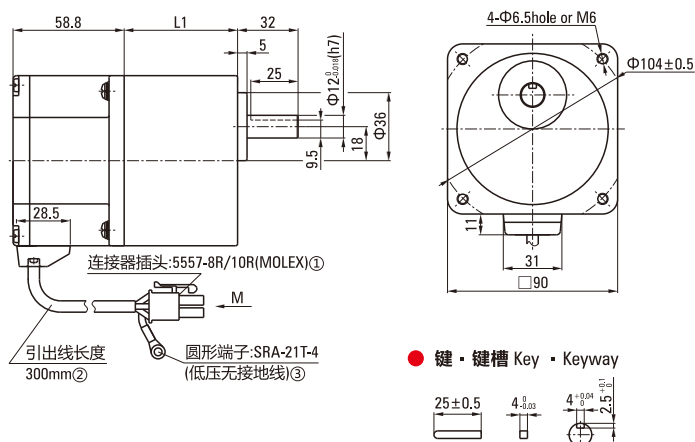
1	2	3	4	5	6	7	8	9	10
黄 (细)	绿 (细)	蓝 (细)	金属丝网	黑 (细)	蓝 (粗)	黄 (粗)	绿 (粗)		红 (细)
Hu	Hv	Hw		GND	W	U	V		Vcc+5V

60W

● 平行轴减速机 Parallel Shaft Speed Reducer

M5BLD60-□GN-30S/5GN□K □—电压 Voltage 24/48/220

□—速比数值 Velocity Ratio Value



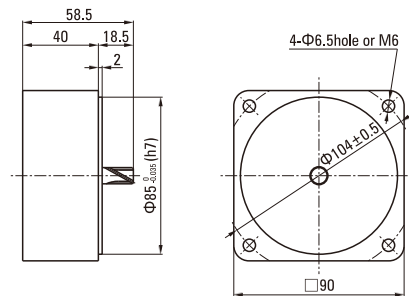
● 键·键槽 Key · Keyway

①Connector: 5557-8R/10R (MOLEX) ②The sheath length of lead line 300mm ③Round terminal: SRA-21T-4 (Low ground)

● 中间减速机 Decimal Gearhead

5GN□XK

□—速比数值, 一般为10 Velocity Ratio Value, Generally 10



减速器型号 Gearhead Model	减速比 Gear Ratio	L尺寸 Dimension
5GN□K	3~18	42&60
	20~200	60

●减速器型号的□中为减速比的数值

Enter the gear ratio in the box (□) within the model name

● M5BLD60-□GN-30S/5GN□K整机容许力矩 (单位: N.m) M5BLD60-□GN-30S/5GN□K Machine Allowable Torque (Unit: N.m)

型号 Model	电机轴转速 Motor Speed	减速机 Reduction Ratio																						
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200
M5BLD60- 	200~1500RPM	0.72	0.87	1.21	1.45	1.81	2.17	2.41	3.02	3.62	4.34	4.35	5.44	6.53	7.83	9.83	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2000RPM	0.61	0.74	1.02	1.23	1.53	1.84	2.04	2.55	3.06	3.68	3.68	4.60	5.52	6.63	8.32	9.98	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2500RPM	0.56	0.67	0.93	1.11	1.39	1.67	1.86	2.32	2.78	3.34	3.35	4.18	5.02	6.02	7.56	9.08	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	3000RPM	0.46	0.56	0.77	0.93	1.16	1.39	1.55	1.93	2.32	2.78	2.79	3.49	4.18	5.02	6.97	7.52	9.40	10.0	10.0	10.0	10.0	10.0	10.0

注Note: 表格中的□(灰底部分)表示旋转方向与电机转向一致。The □(gray) in the table indicates that the rotation direction is consistent with the motor.