

PM DC PLANETARY GEAR MOTOR (Ring Gear Material: Metal and Powder Metal)

PGM42-100K/42M68P

42mm Planetary Gearbox

Permissible Load Range: 1N.m~10N.m



● Motor Technical Data

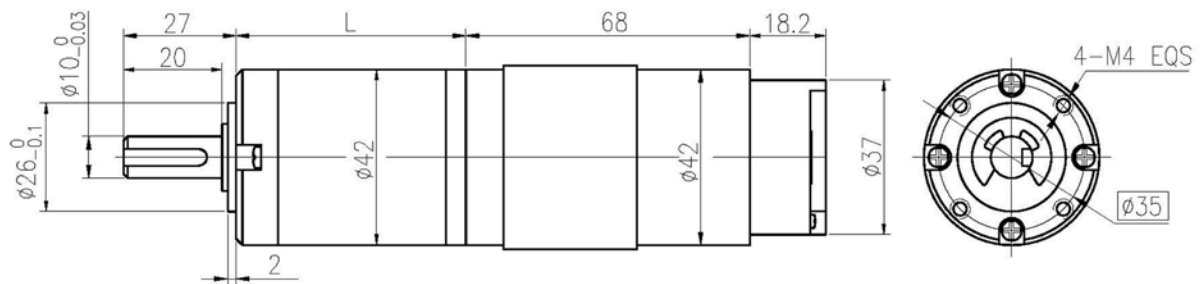
电机型号 TYPE	额定电压 Rated voltage VDC	空载转速 No-load speed r/min	空载电流 No-load current A	额定转速 Rated speed r/min	额定转矩 Rated torque mN.m	输出功率 Output power W	额定电流 Rated current A	堵转力矩 Stall torque mN.m	堵转电流 Stall current A
42M75-2440	24	4000	0.20	3500	55	20	1.2	360	6.3

● Gear Motor Technical Data

配置 42M75-2440 直流电机 (42M75-2440DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	218	253	305	354
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4	4	4
减速器长度(L) Length(L) mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	62.9	62.9	62.9	62.9	62.9
空载转速 No-load speed r/min	1078	772	286	211	148	78	56	40	29	22	18	16	13	11
额定转速 Rated speed r/min	943	676	250	184	130	69	49	35	25	19	16	14	11	9.9
额定转矩 Rated torque N.m	0.18	0.26	0.62	0.85	1.2	2.0	2.9	4.0	5.6	6.5	7.8	9.0	10	10
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	12	12	12	25	25	25	25	30	30	30	30	30

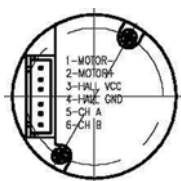
● Dimensions



● Magnetic Encoder

model: CBM36-4 2channels, CW/CCW, 4PPR

Flat cable length 350mm



1. MOTOR-
2. MOTOR+
3. HALL SENSOR Vcc
4. HALL SENSOR GND
5. HALL SENSOR A Vout
6. HALL SENSOR B Vout