永磁直流行星齿轮(编码器)电机（内齿圈材质：金属）

PM DC Planetary Gear Motor (Ring Gear Material: Metal)

32JXE30K/31ZY51G

Φ32行星减速器，允许转矩范围：0.3N.m~3.0N.m
32mm OD Planetary Gearbox,
Permissible Load Range: 0.3N.m~3.0N.m

B

● 电动机主要技术参数 Motor Technical Data

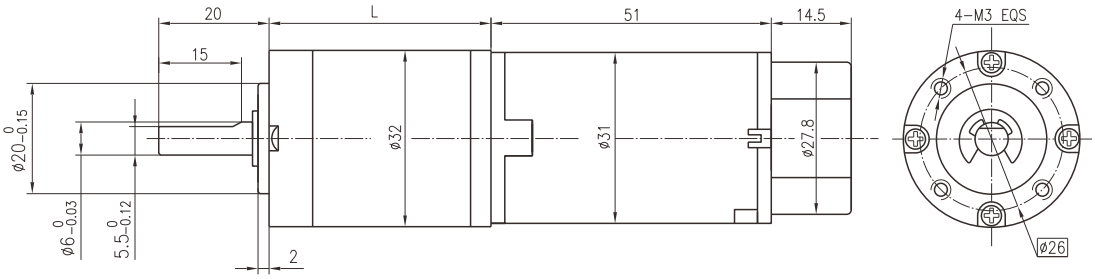
电机型号 Type	额定电压 Rated voltage VDC	空载转速 No-load speed r/min	空载电流 No-load current mA	额定转速 Rated speed r/min	额定转矩 Rated torque mN.m	输出功率 Output power W	额定电流 Rated current mA	堵转力矩 Stall torque mN.m	堵转电流 Stall current A
31ZY51G-2450	24	5000	75	3830	25	9.8	570	106.8	2.3

● 齿轮减速电机主要技术参数 Gear Motor Technical Data

配置31ZY51G-2450直流电机 （31ZY51G-2450 DC Motor）

减 速 比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	181	219	254
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4
减速器长度(L) Length(L) mm	25.7	25.7	32.8	32.8	32.8	39.7	39.7	39.7	39.7	46.6	46.6	46.6
空载转速 No-load speed r/min	1351	962	357	263	185	98	70	50	36	28	23	20
额定转速 Rated speed r/min	1035	737	274	202	142	75	54	38	28	21	17	15
额定转矩 Rated torque N.m	0.083	0.12	0.28	0.39	0.55	0.93	1.3	1.8	2.5	3	3	3
最大瞬间允许负载 N.m Max. permissible load in a short time	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9	9

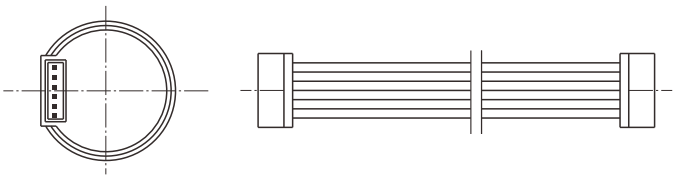
● 外形和安装尺寸 Dimensions



● 配置磁编码器 Magnetic Encoder

型号：CBM28 输出特性：2通道，双向控制，直流电机旋转一周输出3PPR、7PPR
编码器连接线：扁平电缆线，长度250mm

Model: CBM28 output characteristics: 2 channel, two-way control, DC motor rotation a week out of 3PPR、7PPR
Encoder connection: flat cable, length 250mm.



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