

永磁直行星齿轮电机 (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,

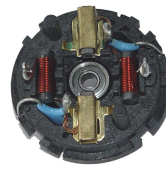
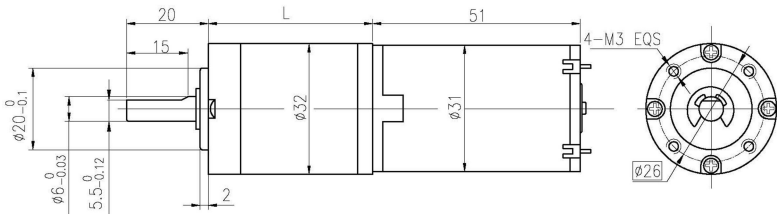
Permissible Load Range: 0.3N.m~3.0N.m

31ZY51G 直流电机是高级配置, 采用滚动轴承、长寿命电刷, 还配置了电感-电容防干扰元件, 适合在仪器、自动化装置中使用

31ZY51G DC motor is an advanced configuration, with ball bearing and long life brushes,

Also equipping with inductance - capacitance anti jamming elements, It is suitable for instrumentation and automation devices.

● 外形和安装尺寸 Dimensions



电机后端盖
Motor Back Cover



● 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 m. Nm	输出功率 Output power W	额定电流 Rated current mA	堵转力矩 Stall torque m. Nm	堵转电流 Stall current A
31ZY51G-2440	24	4000	70	3130	22	7.1	430	101.1	1.6
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-2440 直流电机 (31ZY51G-2440 DC Motor)

减速比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	181	219	306	354
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	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	46.6
空载转速 No-load speed r/min	1081	769	286	211	148	78	56	40	29	22	18	13	11
额定转速 Rated speed r/min	846	602	224	165	116	61	44	31	23	17	14	10	9
额定转矩 Rated torque N.m	0.073	0.10	0.25	0.34	0.48	0.82	1.14	1.6	2.2	2.6	3	3	3
最大瞬间允许负载 Max. permissible load in a short time N.m	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9	9	9

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 Max. permissible load in a short time N.m	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9	9