

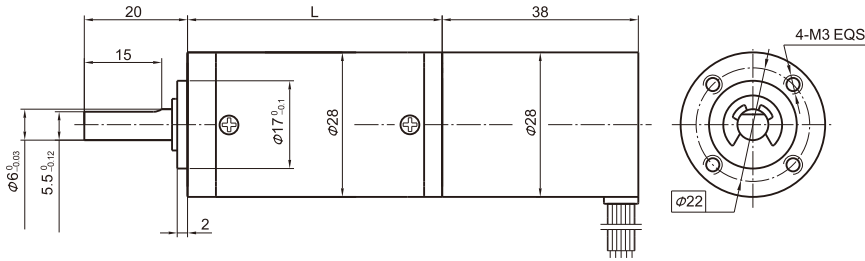
无刷直流行星齿轮减速电机(内齿圈材质: 金属)

BLDC Planetary Gear Motor (Ring Gear Material: Metal)

28JXB30K/28ZWN38

Φ28 行星减速器, 允许转矩范围: 0.3N.m~3.0N.m
28mm OD Planetary Gearbox,
Permissible Load Range: 0.3N.m~3.0N.m

● 外形和安装尺寸 Dimensions



● 无刷电动机主要技术参数 Brushless Motor Technical Data

电机型号 TYPE	极数 Number of poles	相数 Number of phase	额定电压 Rated voltage VDC	空载转速 No-load speed r/min	额定转速 Rated speed r/min	额定转矩 Rated torque mN.m	额定功率 Rated power W	峰值扭矩 Peak torque mN.m	峰值电流 Peak current A	电阻 Line to line resistance ohms	电感 Line to line inductance mH
28ZWN38-2430	4	3	24	3000	2000	5	1.0	15	0.45	93.3	28
28ZWN38-2440	4	3	24	4000	2700	7	1.9	21	0.60	55	18.3

● 无刷行星齿轮减速电机主要技术参数 Brushless Gear Motor Technical Data

配置28ZWN38-2430无刷直流电机 (28ZWN38-2430 BLDC Motor)

减速比	Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	189	264	369	516	720
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	31.0	31.0	40.1	40.1	49.0	49.0	49.0	49.0	57.9	57.9	57.9	57.9	57.9
空载转速	No-load speed	r/min	809	576	214	158	111	59	42	30	22	16	11	8.1	5.8
额定转速	Rated speed	r/min	539	386	143	105	74	39	28	20	14	11	7.6	5.4	3.9
额定转矩	Rated torque	N.m	0.017	0.023	0.057	0.077	0.11	0.19	0.26	0.37	0.51	0.61	0.86	1.2	1.7
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	9.0	9.0	9.0	9.0

配置28ZWN38-2440无刷直流电机 (28ZWN38-2440 BLDC Motor)

减速比	Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	189	264	369	516	720
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	31.0	31.0	40.1	40.1	49.0	49.0	49.0	49.0	57.9	57.9	57.9	57.9	57.9
空载转速	No-load speed	r/min	1078	772	286	211	148	78	56	40	29	21	15	11	7.8
额定转速	Rated speed	r/min	728	521	193	142	100	53	38	27	19	14	10	7.3	5.2
额定转矩	Rated torque	N.m	0.023	0.033	0.079	0.11	0.15	0.26	0.36	0.51	0.71	0.86	1.2	1.7	2.3
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	9.0	9.0	9.0	9.0

● 接线方式 Wire Diagram

U	V	W	Vcc	Ha	Hb	Hc	GND
绿 Green	红 Red	黑 Black	黄 Yellow	蓝 Blue	橙 Orange	棕 Brown	白 White

26AWG UL1007