

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)

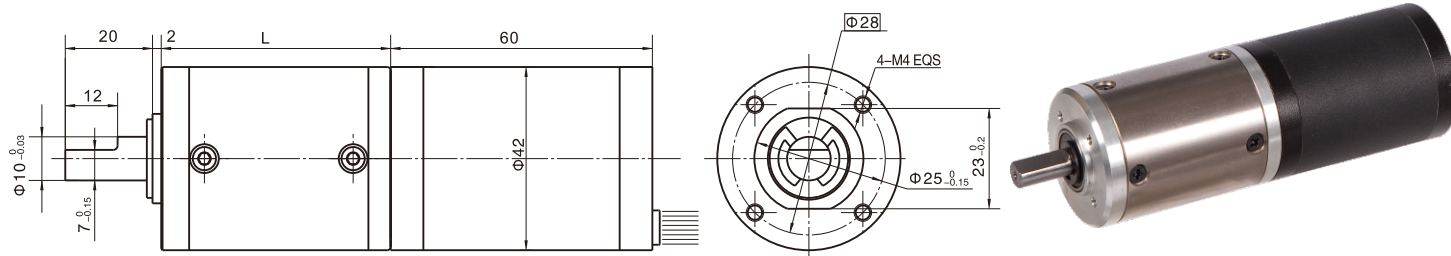
42JX150K/42ZWN60

Φ42 行星减速器, 允许转矩范围: 2N.m~15N.m

42mm OD Planetary Gearbox,

Permissible Load Range: 2N.m~15N.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
42ZWN60-2420	8	3	24	2000	1400	40	5.8	180	1.5	11.9	15.0
42ZWN60-2430	8	3	24	3000	2100	50	11	150	2.6	6.0	6.4

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

配置42ZWN60-2420无刷直流电机 (42ZWN60-2420 BLDC Motor)

减 速 比	Reduction ratio	3.5	14	21	49	84	104	126	172	294
减速级数	Number of gear trains	1	2	2	3	3	3	3	4	4
减速器长度(L)	Length(L)	mm	32.5	39.2	39.2	46	46	46	52.5	52.5
空载转速	No-load speed	r/min	571	142	95	41	24	19	12	7
额定转速	Rated speed	r/min	400	100	66	28	16	13	8	4.5
额定转矩	Rated torque	N.m	0.12	0.45	0.68	1.4	2.4	3.0	4.5	7.7
最大瞬间允许负载	Max. permissible load in a short time	N.m	3	12	12	25	25	25	30	30

配置42ZWN60-2430无刷直流电机 (42ZWN60-2430 BLDC Motor)

减 速 比	Reduction ratio	3.5	14	21	49	84	104	126	172	294
减速级数	Number of gear trains	1	2	2	3	3	3	3	4	4
减速器长度(L)	Length(L)	mm	32.5	39.2	39.2	46	46	46	52.5	52.5
空载转速	No-load speed	r/min	857	214	143	61	36	29	17	10
额定转速	Rated speed	r/min	600	150	100	43	25	20	12	7
额定转矩	Rated torque	N.m	0.15	0.56	0.8	1.9	3.4	3.8	5.6	9.7
最大瞬间允许负载	Max. permissible load in a short time	N.m	3	12	12	25	25	25	30	30

● 接线方式 Wire Diagram

U	V	W	Vcc	Ha	Hb	Hc	GND
红 Red	棕 Brown	黑 Black	蓝 Blue	黄 Yellow	棕 Brown	红 Red	绿 Green
22AWG UL1007			26AWG UL1007				