

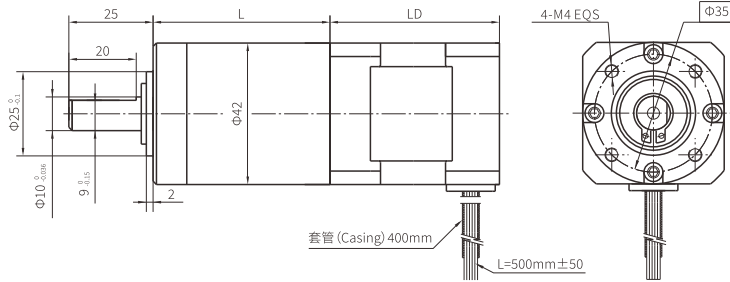
无刷直流行星齿轮减速电机 (内齿圈材质:粉末金属)
BLDC Planetary Gear Motor (Ring Gear Material: Powder Metal)

42JXF150K/42BL40&60

Φ42行星减速器, 允许转矩范围:0.5N.m~15N.m
 42mm OD Planetary Gearbox,
 Permissible Load Range: 0.5N.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	额定电流 Rated Current A	峰值转矩 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
42BL40-2441	8	3	24	4100	3000	70	22	1.3	300	6.2	2.6	1.83
42BL60-2441	8	3	24	4000	3000	160	50	2.9	650	11.8	1.1	0.96

■ 无刷行星齿轮减速电机主要技术参数

Brushless Gear Motor Technical Data

配置42BL40-2441无刷直流电机(42BL40-2441 BLDC Motor) LD=40mm

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	190	265	369
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 mm	31.5	31.5	41.8	41.8	41.8	52.5	52.5	52.5	52.5	62.9	62.9	62.9
空载速度 No-load speed r/min	1105	792	293	216	152	80	58	41	29	22	15	11
额定转速 Rated speed r/min	809	579	214	158	111	59	42	30	22	16	11	8
额定转矩 Rated torque N.m	0.2	0.3	0.8	1.1	1.5	2.6	3.6	5.1	7.1	8.7	12.1	15
最大瞬间允许负载 Max. permissible load in a short time N.m	1.5	1.5	1.5	6	6	12	12	12	12	12	20	20

配置42BL60-2441无刷直流电机(42BL60-2441 BLDC Motor) LD=60mm

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3
减速器长度(L) Length mm	31.5	31.5	41.8	41.8	52.5	52.5	52.5	52.5	52.5
空载速度 No-load speed r/min	1078	772	286	211	148	78	56	40	29
额定转速 Rated speed r/min	809	579	214	158	111	59	42	30	22
额定转矩 Rated torque N.m	0.5	0.7	1.8	2.5	3.5	5.9	8.3	11.7	15
最大瞬间允许负载 Max. permissible load in a short time N.m	1.5	1.5	6	6	12	12	12	12	20

■ 接线方式

Wire Diagram

U	V	W	Vcc	Ha	Hb	Hc	GND
电机 Motor			霍尔 Hall				