

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/42DMW60

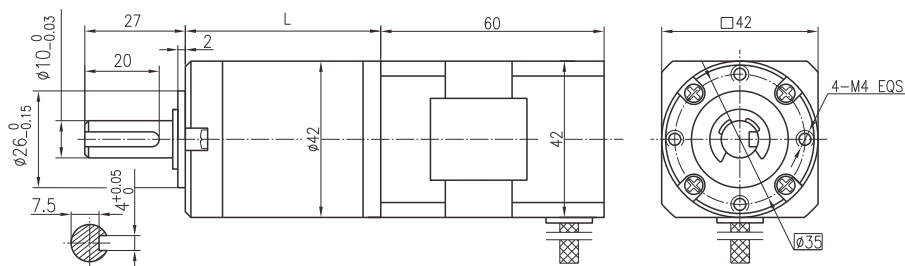
Φ42行星减速器, 允许转矩范围: 1.5N.m~15N.m
42mm OD Planetary Gearbox,
Permissible Load Range: 1.5N.m~15N.m

● 接线方式 Wire Diagram

U	V	W	Vcc	Ha	Hb	Hc	GND
红 Red	黄 Yellow	黑 Black	红 Red	蓝 Blue	绿 Green	白 White	黑 Black
20AWG UL1569			26AWG UL1569				



● 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	额定转矩 Rated torque N.m	额定转速 Rated speed r/min	额定电流 Rated current A	额定功率 Rated power W	峰值扭矩 Reak torque N.m	峰值电流 Peak current A
42DMW60-2440	8	3	24	4000	0.125	3000	2.4	40	0.38	7.2
42DMW60-2451	8	3	24	5100	0.125	4000	2.8	50	0.38	8.5

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

配置42DMW60-2440无刷直流电机 (42DMW60-2440 BLDC Motor)

减速比	Reduction ratio	3.7	5.2	14	19	27	49	59	68	82	95	115	181	218
减速级数	Number of gear trains	1	1	2	2	2	3	3	3	3	3	3	4	4
减速器长度(L)	Length(L)	mm	31.5	31.5	42.1	42.1	52.5	52.5	52.5	52.5	52.5	52.5	62.9	62.9
空载转速	No-load speed	r/min	1078	772	286	211	148	82	68	59	49	42	35	22
额定转速	Rated speed	r/min	809	579	214	158	111	61	51	44	37	32	26	16
额定转矩	Rated torque	N.m	0.42	0.58	1.4	1.9	2.7	4.5	5.4	6.2	7.5	8.7	11	15
最大瞬间允许负载 Max. permissible load in a short time	N.m	4	4	12	12	12	25	25	25	25	25	25	38	38

配置42DMW60-2451无刷直流电机 (42DMW60-2451 BLDC Motor)

减速比	Reduction ratio	3.7	5.2	14	19	27	49	59	68	82	95	115	181	218
减速级数	Number of gear trains	1	1	2	2	2	3	3	3	3	3	3	4	4
减速器长度(L)	Length(L)	mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	52.5	62.9	62.9
空载转速	No-load speed	r/min	1375	985	364	268	189	104	86	75	62	54	44	28
额定转速	Rated speed	r/min	1078	772	286	211	148	82	68	59	49	42	35	22
额定转矩	Rated torque	N.m	0.42	0.58	1.4	1.9	2.7	4.5	5.4	6.2	7.5	8.7	11	15
最大瞬间允许负载 Max. permissible load in a short time	N.m	4	4	12	12	12	25	25	25	25	25	25	38	38