

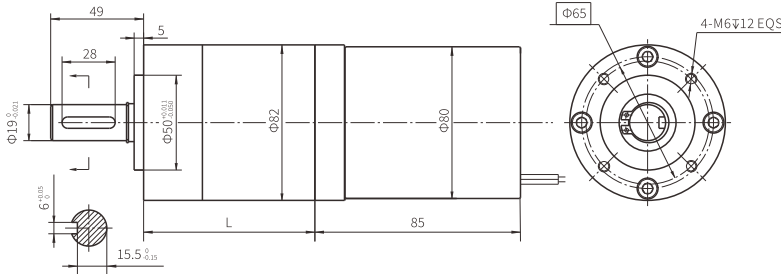
无刷直流行星齿轮减速电机 (内齿圈材质:金属)
BLDC Planetary Gear Motor (Ring Gear Material: Metal)

80JX2000K/80BL85

Φ80行星减速器, 允许转矩范围: 2N.m~200N.m
 80mm OD Planetary Gearbox,
 Permissible Load Range: 2N.m~200N.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 N.m	额定功率 Rated Power W	额定电流 Rated Current A	峰值扭矩 Peak Torque N.m	峰值电流 Peak Current A	电阻 Line to line resistance ohms	电感 Line to line inductance mH
80BL85-2440	10	3	24	4000	3000	0.32	100	5.21	0.64	10.42	0.255	0.69
80BL85-2449	10	3	24	4900	4000	0.36	150	7.81	0.72	15.63	0.139	0.39

■ 无刷行星齿轮减速电机主要技术参数

Brushless Gear Motor Technical Data

配置80BL85-2440无刷直流电机(80BL85-2440 BLDC Motor)

减速比 Reduction ratio	5.6	6.75	18	25	38	46	61	77	93	116	140	169	211	308	462	842
减速级数 Number of gear trains	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4	4
减速器长度(L) Length mm	62.5	62.5	78.5	78.5	78.5	78.5	97	97	97	97	97	97	97	97	119	119
空载速度 No-load speed r/min	714	593	222	160	105	87	66	52	43	34	29	24	19	13	9	5
额定转速 Rated speed r/min	536	444	167	120	79	65	49	39	32	26	21	18	14	10	6	4
额定转矩 Rated torque N.m	1.6	1.9	4.6	6.4	9.8	11.9	14.2	17.9	21.6	26.9	32.5	39.2	49.0	71.5	96.5	175.9
最大瞬间允许负载 Max. permissible load in a short time N.m	3	5	12	25	25	25	25	30	30	40	40	50	60	80	110	190

配置80BL85-2449无刷直流电机(80BL85-2449 BLDC Motor)

减速比 Reduction ratio	5.6	6.75	18	25	38	46	61	77	93	116	140	169	211	308	462	842
减速级数 Number of gear trains	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4	4
减速器长度(L) Length mm	62.5	62.5	78.5	78.5	78.5	78.5	97	97	97	97	97	97	97	97	119	119
空载速度 No-load speed r/min	875	726	272	196	129	107	80	64	53	42	35	29	23	16	11	6
额定转速 Rated speed r/min	714	593	222	160	105	87	66	52	43	34	29	24	19	13	9	5
额定转矩 Rated torque N.m	1.8	2.2	5.2	7.3	11.0	13.3	15.9	20.1	24.3	30.3	36.6	44.1	55.1	80.4	108.6	197.8
最大瞬间允许负载 Max. permissible load in a short time N.m	3	5	12	25	25	25	25	30	30	40	40	50	60	90	120	220

■ 接线方式

Wire Diagram

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