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

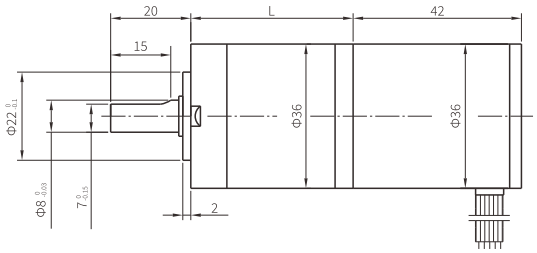
A

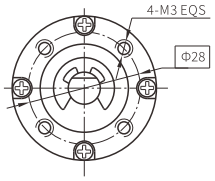
36JXE30K/36ZWN42

Φ36行星减速器，允许转矩范围:0.3N.m~3.0N.m
36mm OD Planetary Gearbox,
Permissible Load Range: 0.3N.m~3.0N.m

可在两种材质的内齿圈中进行选择:粉末金属(型号 36JXF30K),金属(型号 36JXE30K)
Ring gear can be selected within the two materials: Powder metal (Type: 36JXF30K) , Metal (Type: 36JXE30K)

■ 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
36ZWN42-2430	8	3	24	3000	2100	32	7	0.42	160	1.6
36ZWN42-2440	8	3	24	4000	2800	36	10	0.6	180	1.8

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

配置36ZWN42-2430无刷直流电机(36ZWN42-2430 BLDC Motor)

减速比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	189	264
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4
减速器长度(L) Length mm	26.5	26.5	33.6	33.6	33.6	40.5	40.5	40.5	40.5	47.4	47.4
空载速度 No-load speed r/min	809	576	214	158	111	59	42	30	22	16	11
额定转速 Rated speed r/min	566	405	150	111	78	41	30	23	18	13	8.0
额定转矩 Rated torque N.m	0.09	0.13	0.31	0.42	0.59	1.0	1.4	2.0	2.5	3	3
最大瞬间允许负载 N.m Max. permissible load in a short time	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9

配置36ZWN42-2440无刷直流电机(36ZWN42-2440 BLDC Motor)

减速比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	189	264
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4
减速器长度(L) Length mm	26.5	26.5	33.6	33.6	33.6	40.5	40.5	40.5	40.5	47.4	47.4
空载速度 No-load speed r/min	1078	772	286	211	148	78	56	40	29	21	15
额定转速 Rated speed r/min	755	541	200	147	104	55	39	30	23	18	14
额定转矩 Rated torque N.m	0.10	0.14	0.34	0.46	0.66	1.1	1.6	2.2	2.5	3	3
最大瞬间允许负载 N.m Max. permissible load in a short time	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9

■ 接线方式 Wire Diagram

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

东政智造 驱动未来
DONGZHENG INTELLIGENT MANUFACTURE DRIVE THE FUTURE