

无刷直行星齿轮减速电机(内齿圈材质:金属)

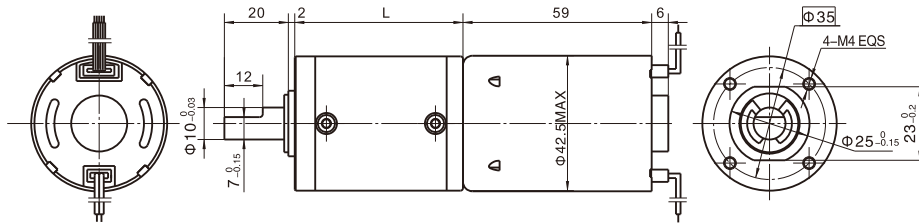
BLDC Planetary Gear Motor (Ring Gear Material: Metal)

42JX150K/42ZWNP59

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

无刷直流电动机, 3相10极, 内置驱动器 3 phase 10 poles brushless DC motor, with built-in driver

● 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	额定电流 Rated current A	输出功率 Output power W
42ZWNP59-2420	10	3	24	2000	1650	58	0.6	10
42ZWNP59-2440	10	3	24	4000	3000	68	1.2	21

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

配置42ZWNP59-2420无刷直流电机 (42ZWNP59-2420 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	46	52.5	52.5
空载转速 No-load speed r/min	571	143	95	41	24	19	16	12	7
额定转速 Rated speed r/min	471	118	78	33	19	15	13	9	5
额定转矩 Rated torque N.m	0.18	0.65	0.98	2.0	3.5	4.4	5.3	6.5	11.2
最大瞬间允许负载 Max. permissible load in a short time N.m	3	12	12	25	25	25	25	30	30

配置42ZWNP59-2440无刷直流电机 (42ZWNP59-2440 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	46	52.5	52.5
空载转速 No-load speed r/min	1143	286	190	82	48	38	32	23	14
额定转速 Rated speed r/min	857	214	143	61	36	29	24	17	10
额定转矩 Rated torque N.m	0.21	0.77	1.1	2.4	4.1	5.1	6.2	7.7	13
最大瞬间允许负载 Max. permissible load in a short time N.m	3	12	12	25	25	25	25	30	30

● 接线方式 Wire Diagram

正极+ Phase V	负极- Phase W	转向 Reversing	调速 Speed Control	制动 Braking	+5V输出 Output	脉冲输出 Pulse Output
红 Red	黑 Black	棕 Brown	橙 Orange	白 White	绿 Green	蓝 Blue

棕色与黑色导通为CCW, 断开为CW。
白色与黑色导通为停止。
橙色为调速功能。
绿色与棕色导通全速工作。
蓝色线为脉冲输出, 电机每转一周为5个脉冲输出。

Brown wire connects with black wire for CCW and disconnects for CW.
White wire connects with black wire for stopping.
Orange wire is for speed control.
Green wire connects with brown wire for full-speed working.
Blue wire is for pulse output, motor outputs 5 pulses per revolution.