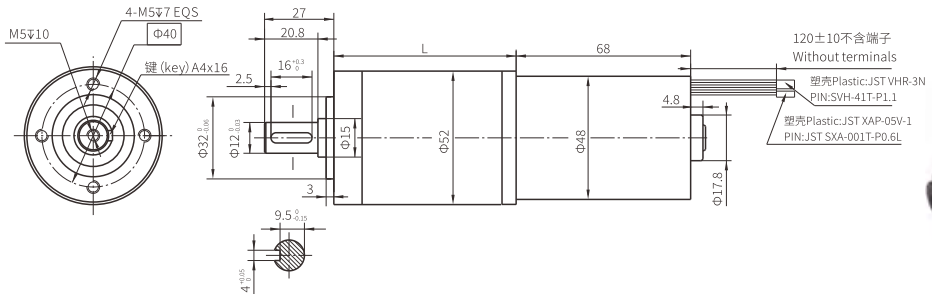
无刷直流行星齿轮减速电机 (内齿圈材质:金属)
BLDC Planetary Gear Motor (Ring Gear Material: Metal)

52JXM200K/48ZWN68

Φ48行星减速器，允许转矩范围:2N.m~15N.m
48mm OD Planetary Gearbox,
Permissible Load Range: 2N.m~15N.m

A

■ 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	峰值转矩 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
48ZWN68-1241	10	3	12	4100	3200	0.18	60	6.67	0.5	19.2	0.16	0.18
48ZWN68-2438	10	3	24	3850	3000	0.17	70	2.9	0.5	8.7	0.7	0.7

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

配置48ZWN68-1241无刷直流电机(48ZWN68-1241 BLDC Motor)

减速比 Reduction ratio	4.5	6.25	8	20	28	34	50	64	91	127	162	225	312
减速级数 Number of gear trains	1	1	1	2	2	2	2	2	3	3	3	3	3
减速器长度(L) Length mm	49	49	49	65	65	65	65	65	80	80	80	80	80
空载速度 No-load speed r/min	911	656	513	205	146	121	82	64	45	32	25	18	13
额定转速 Rated speed r/min	711	512	400	160	114	94	64	50	35	25	20	14	10
额定转矩 Rated torque N.m	0.7	1.0	1.3	2.9	4.1	4.9	7.3	9.3	11.9	16.6	21.1	29.4	40.7
最大瞬间允许负载 N.m Max. permissible load in a short time	3	3	5	10	10	15	15	25	25	30	55	55	55

配置48ZWN68-2438无刷直流电机(48ZWN68-2438 BLDC Motor)

减速比 Reduction ratio	4.5	6.25	8	20	28	34	50	64	91	127	162	225	312
减速级数 Number of gear trains	1	1	1	2	2	2	2	2	3	3	3	3	3
减速器长度(L) Length mm	49	49	49	65	65	65	65	65	80	80	80	80	80
空载速度 No-load speed r/min	856	616	481	193	138	113	77	60	42	30	24	17	12
额定转速 Rated speed r/min	667	480	375	150	107	88	60	47	33	24	19	13	10
额定转矩 Rated torque N.m	0.7	0.9	1.2	2.7	3.7	4.5	6.7	8.6	10.9	15.3	19.5	27.1	37.5
最大瞬间允许负载 N.m Max. permissible load in a short time	3	3	5	10	10	15	15	25	25	30	55	55	55

■ 接线方式 Wire Diagram

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