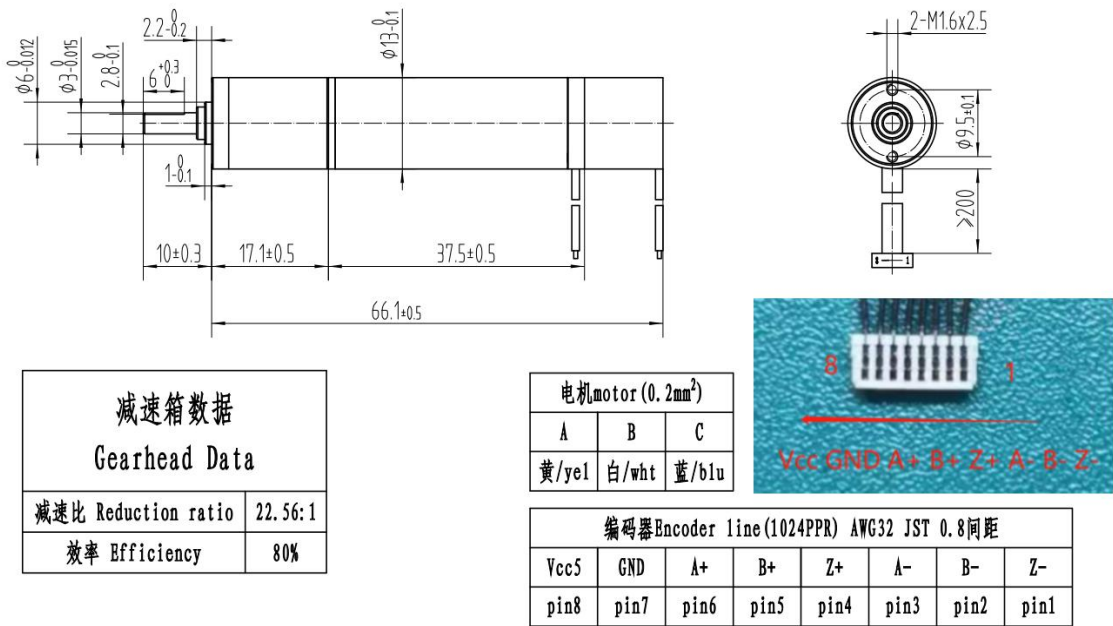


Φ 13mm空心杯直流无刷电机(无齿槽) Φ 13mmBrushless DC motor (Slotless)

BL1338-24260

外形尺寸图 Dimensional drawing



电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	5.5
3	电感	Terminal inductance	mH	0.25
4	空载转速	No load speed	rpm	26000
5	空载电流	No load current	A	0.1
6	额定转速	Rated speed	rpm	23800
7	额定电流	Rated current	A	0.45
8	额定扭矩	Rated torque	mNm	3.11
9	额定功率	Rated power	W	7.4
10	输出最大功率	The greatest power output	W	25.00
11	效率	Efficiency	%	72.02
12	扭矩常数	Torque constant	mNm/A	8.61
13	堵转力矩 (启动力矩)	Stall torque	mNm	36.72
14	反电势常数	Back-EMF constant	mV/rpm	0.90
15	速度常数	Speed constant	rpm/V	1108.74
16	摩擦力矩	Friction torque	mNm	0.86
17	电流常数	Current constant	A/mNm	0.12
18	最大持续扭矩	Nominal torque	mNm	9.18
19	最大持续电流	Nominal current	A	0.93

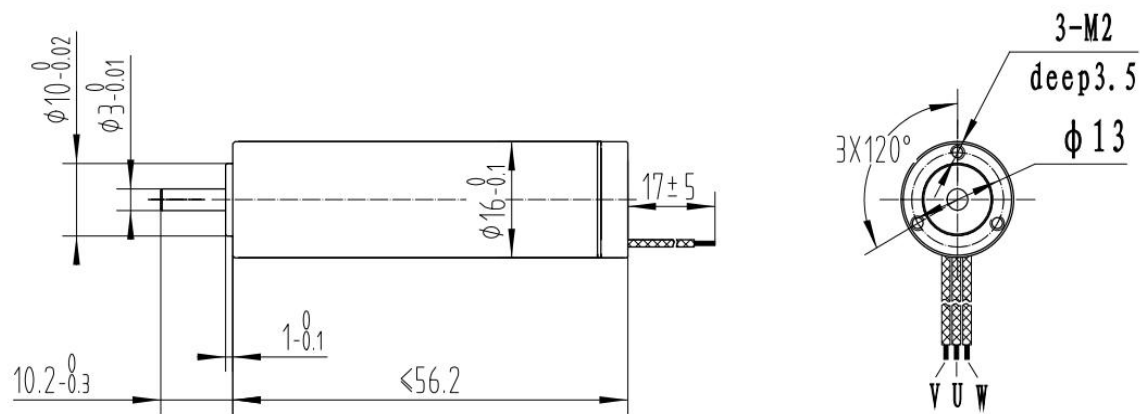
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 16mm空心杯直流无刷电机(无齿槽) Φ 16mmBrushless DC motor (Slotless)

BL1656-24400

外形尺寸图 Dimensional drawing



BLK	RED	WHT
V	U	W

电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	1.3
3	电感	Terminal inductance	mH	0.07
4	空载转速	No load speed	rpm	40000
5	空载电流	No load current	A	0.12
6	额定转速	Rated speed	rpm	32000
7	额定电流	Rated current	A	1.46
8	额定扭矩	Rated torque	mNm	10.2
9	额定功率	Rated power	W	35
10	输出最大功率	The greatest power output	W	109.33
11	效率	Efficiency	%	84.53
12	扭矩常数	Torque constant	mNm/A	5.69
13	堵转力矩 (启动力矩)	Stall torque	mNm	104.41
14	反电势常数	Back-EMF constant	mV/rpm	0.60
15	速度常数	Speed constant	rpm/V	1677.57
16	摩擦力矩	Friction torque	mNm	0.68
17	电流常数	Current constant	A/mNm	0.18
18	最大持续扭矩	Nominal torque	mNm	26.10
19	最大持续电流	Nominal current	A	3.76

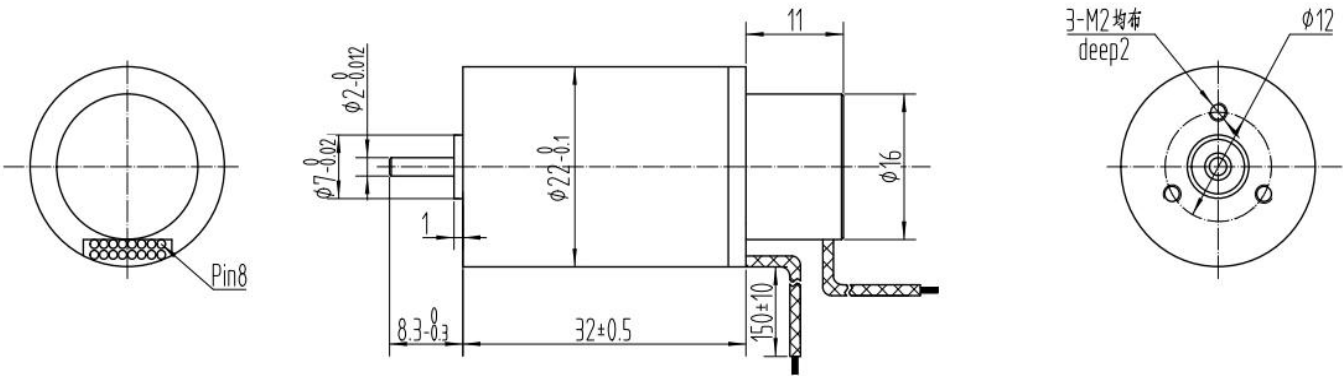
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 22mm空心杯直流无刷电机(无齿槽) Φ 22mmBrushless DC motor (Slotless)

BL2232-24130

外形尺寸图 Dimensional drawing



电机 (0.2mm ²)			霍尔 (0.2mm ²)					编码器Encoder line (1024PPR) AWG32 JST 0.8间距							
A	B	C	H+	H-	H _a	H _b	H _c	Z-	B-	A-	Z+	B+	A+	GND	Vcc5
红	黑	白	绿	蓝	棕	黄	桔	pin1	pin2	pin3	pin4	pin5	pin6	pin7	pin8

电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	7.5
3	电感	Terminal inductance	mH	0.23
4	空载转速	No load speed	rpm	13000
5	空载电流	No load current	A	0.05
6	额定转速	Rated speed	rpm	9000
7	额定电流	Rated current	A	0.28
8	额定扭矩	Rated torque	mNm	7.1
9	额定功率	Rated power	W	6.7
10	输出最大功率	The greatest power output	W	18.60
11	效率	Efficiency	%	76.56
12	扭矩常数	Torque constant	mNm/A	17.35
13	堵转力矩 (启动力矩)	Stall torque	mNm	54.67
14	反电势常数	Back-EMF constant	mV/rpm	1.82
15	速度常数	Speed constant	rpm/V	550.26
16	摩擦力矩	Friction torque	mNm	0.87
17	电流常数	Current constant	A/mNm	0.06
18	最大持续扭矩	Nominal torque	mNm	13.67
19	最大持续电流	Nominal current	A	0.67

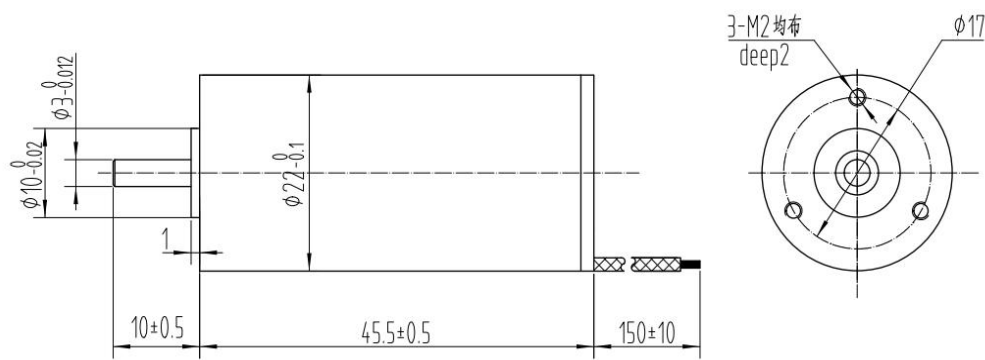
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 22mm空心杯直流无刷电机(无齿槽) Φ 22mmBrushless DC motor (Slotless)

BL2245-24150

外形尺寸图 Dimensional drawing



电机motor (0.2mm ²)			霍尔HALL (0.2mm ²)				
A	B	C	H+	H-	Ha	Hb	Hc
红 red	黑 blk	白 wht	绿 grn	蓝 blu	棕 brn	黄 yel	桔 org

电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	4.7
3	电感	Terminal inductance	mH	0.3
4	空载转速	No load speed	rpm	15000
5	空载电流	No load current	A	0.15
6	额定转速	Rated speed	rpm	11000
7	额定电流	Rated current	A	1.1
8	额定扭矩	Rated torque	mNm	23
9	额定功率	Rated power	W	26.5
10	输出最大功率	The greatest power output	W	28.86
11	效率	Efficiency	%	68.66
12	扭矩常数	Torque constant	mNm/A	14.83
13	堵转力矩 (启动力矩)	Stall torque	mNm	73.50
14	反电势常数	Back-EMF constant	mV/rpm	1.55
15	速度常数	Speed constant	rpm/V	643.92
16	摩擦力矩	Friction torque	mNm	2.22
17	电流常数	Current constant	A/mNm	0.07
18	最大持续扭矩	Nominal torque	mNm	18.38
19	最大持续电流	Nominal current	A	1.11

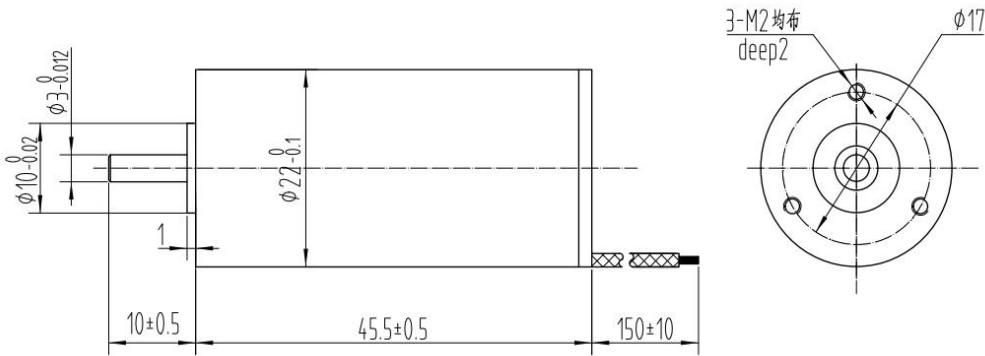
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 22mm空心杯直流无刷电机(无齿槽) Φ 22mmBrushless DC motor (Slotless)

BL2245-24230

外形尺寸图 Dimensional drawing



电机motor (0.2mm ²)			霍尔HALL (0.2mm ²)				
A	B	C	H+	H-	Ha	Hb	Hc
红 red	黑 blk	白 wht	绿 grn	蓝 blu	棕 brn	黄 yel	桔 org

电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	1.9
3	电感	Terminal inductance	mH	0.16
4	空载转速	No load speed	rpm	23000
5	空载电流	No load current	A	0.35
6	额定转速	Rated speed	rpm	20000
7	额定电流	Rated current	A	1.3
8	额定扭矩	Rated torque	mNm	15
9	额定功率	Rated power	W	31
10	输出最大功率	The greatest power output	W	71.65
11	效率	Efficiency	%	69.48
12	扭矩常数	Torque constant	mNm/A	9.69
13	堵转力矩 (启动力矩)	Stall torque	mNm	118.99
14	反电势常数	Back-EMF constant	mV/rpm	1.01
15	速度常数	Speed constant	rpm/V	985.64
16	摩擦力矩	Friction torque	mNm	3.39
17	电流常数	Current constant	A/mNm	0.10
18	最大持续扭矩	Nominal torque	mNm	29.75
19	最大持续电流	Nominal current	A	2.74

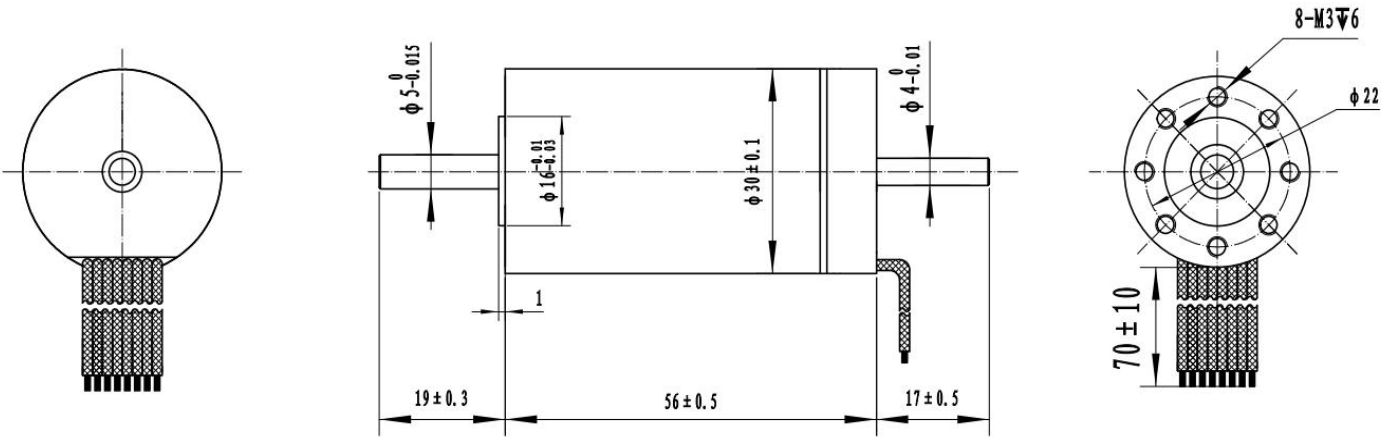
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 30mm空心杯直流无刷电机(无齿槽) Φ 30mmBrushless DC motor (Slotless)

BL3056-24178

外形尺寸图 Dimensional drawing



电机MOTOR (0.5mm ²)			霍尔HALL (0.2mm ²)				
A	B	C	H+	H-	Ha	Hb	Hc
红 red	黑 blk	白 wht	绿 grn	蓝 blu	棕 brn	黄 yel	桔 org

电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	1.12
3	电感	Terminal inductance	mH	0.13
4	空载转速	No load speed	rpm	17800
5	空载电流	No load current	A	0.35
6	额定转速	Rated speed	rpm	14400
7	额定电流	Rated current	A	2.8
8	额定扭矩	Rated torque	mNm	45
9	额定功率	Rated power	W	68
10	输出最大功率	The greatest power output	W	124.41
11	效率	Efficiency	%	76.07
12	扭矩常数	Torque constant	mNm/A	12.67
13	堵转力矩 (启动力矩)	Stall torque	mNm	266.96
14	反电势常数	Back-EMF constant	mV/rpm	1.33
15	速度常数	Speed constant	rpm/V	753.98
16	摩擦力矩	Friction torque	mNm	4.43
17	电流常数	Current constant	A/mNm	0.08
18	最大持续扭矩	Nominal torque	mNm	66.75
19	最大持续电流	Nominal current	A	4.50

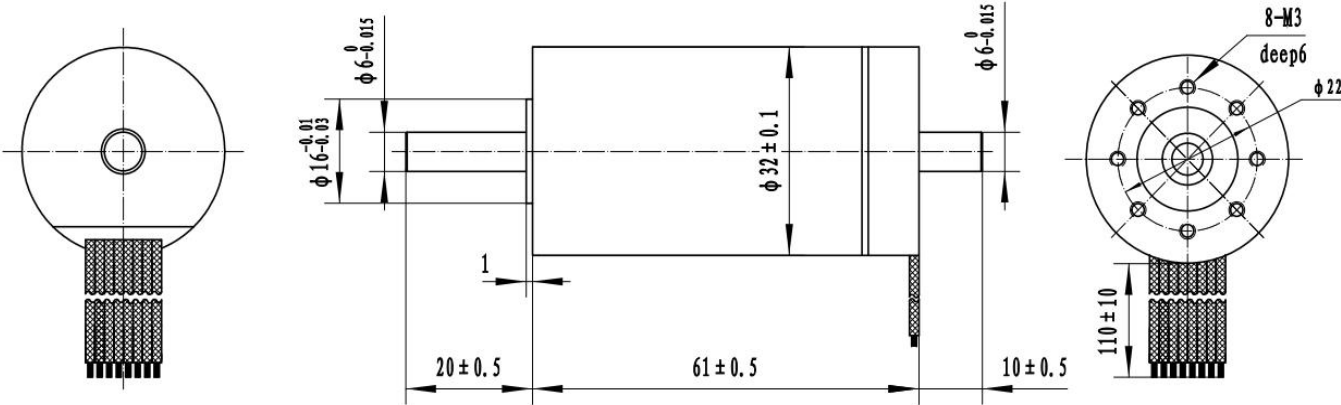
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 32mm空心杯直流无刷电机(无齿槽) Φ 32mmBrushless DC motor (Slotless)

BL3260-24180

外形尺寸图 Dimensional drawing



电机MOTOR (0.5mm ²)			霍尔HALL (0.2mm ²)				
A	B	C	H+	H-	H _a	H _b	H _c
红 red	黑 blk	白 wht	绿 grn	蓝 blu	棕 brn	黄 yel	桔 org

电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	0.41
3	电感	Terminal inductance	mH	0.06
4	空载转速	No load speed	rpm	18000
5	空载电流	No load current	A	0.25
6	额定转速	Rated speed	rpm	14500
7	额定电流	Rated current	A	5.1
8	额定扭矩	Rated torque	mNm	80
9	额定功率	Rated power	W	120
10	输出最大功率	The greatest power output	W	348.23
11	效率	Efficiency	%	87.36
12	扭矩常数	Torque constant	mNm/A	12.68
13	堵转力矩 (启动力矩)	Stall torque	mNm	738.96
14	反电势常数	Back-EMF constant	mV/rpm	1.33
15	速度常数	Speed constant	rpm/V	753.22
16	摩擦力矩	Friction torque	mNm	3.17
17	电流常数	Current constant	A/mNm	0.08
18	最大持续扭矩	Nominal torque	mNm	184.75
19	最大持续电流	Nominal current	A	11.86

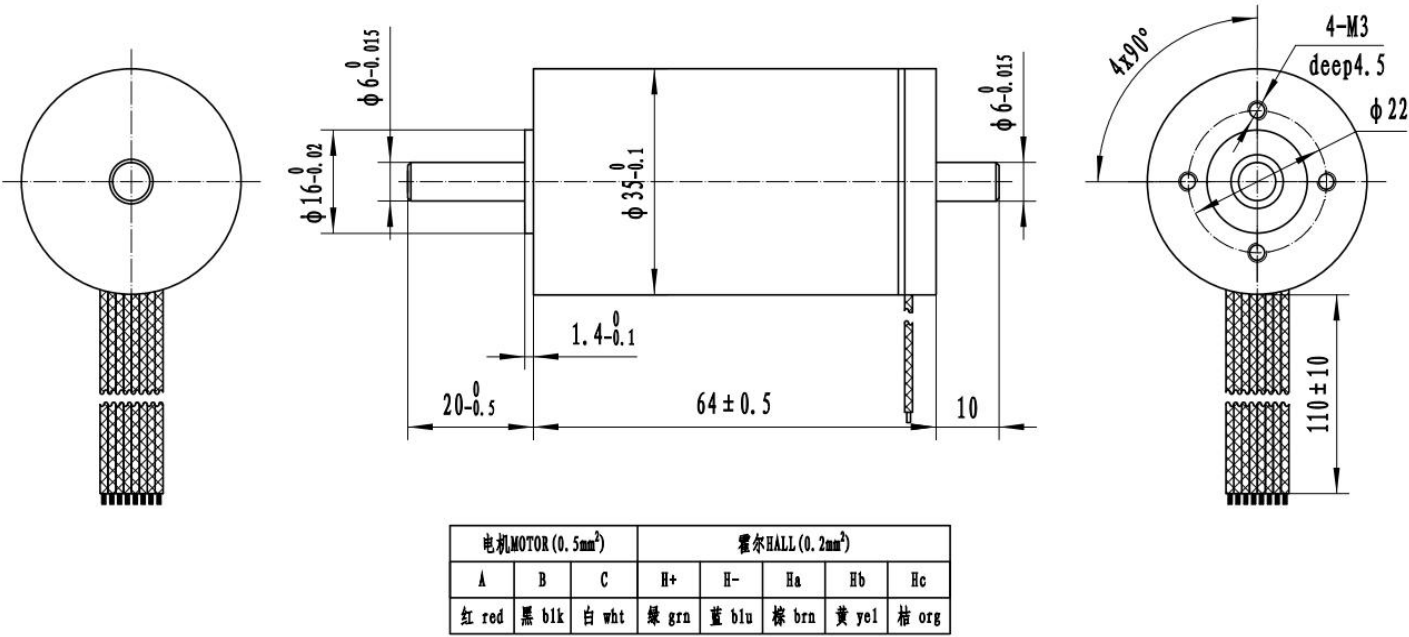
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 35mm空心杯直流无刷电机(无齿槽) Φ 35mmBrushless DC motor (Slotless)

BL3564-24150

外形尺寸图 Dimensional drawing



电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	0.34
3	电感	Terminal inductance	mH	0.08
4	空载转速	No load speed	rpm	15000
5	空载电流	No load current	A	0.35
6	额定转速	Rated speed	rpm	12000
7	额定电流	Rated current	A	5.8
8	额定扭矩	Rated torque	mNm	110
9	额定功率	Rated power	W	138
10	输出最大功率	The greatest power output	W	419.34
11	效率	Efficiency	%	86.41
12	扭矩常数	Torque constant	mNm/A	15.20
13	堵转力矩 (启动力矩)	Stall torque	mNm	1067.84
14	反电势常数	Back-EMF constant	mV/rpm	1.59
15	速度常数	Speed constant	rpm/V	628.11
16	摩擦力矩	Friction torque	mNm	5.32
17	电流常数	Current constant	A/mNm	0.07
18	最大持续扭矩	Nominal torque	mNm	266.98
19	最大持续电流	Nominal current	A	14.33

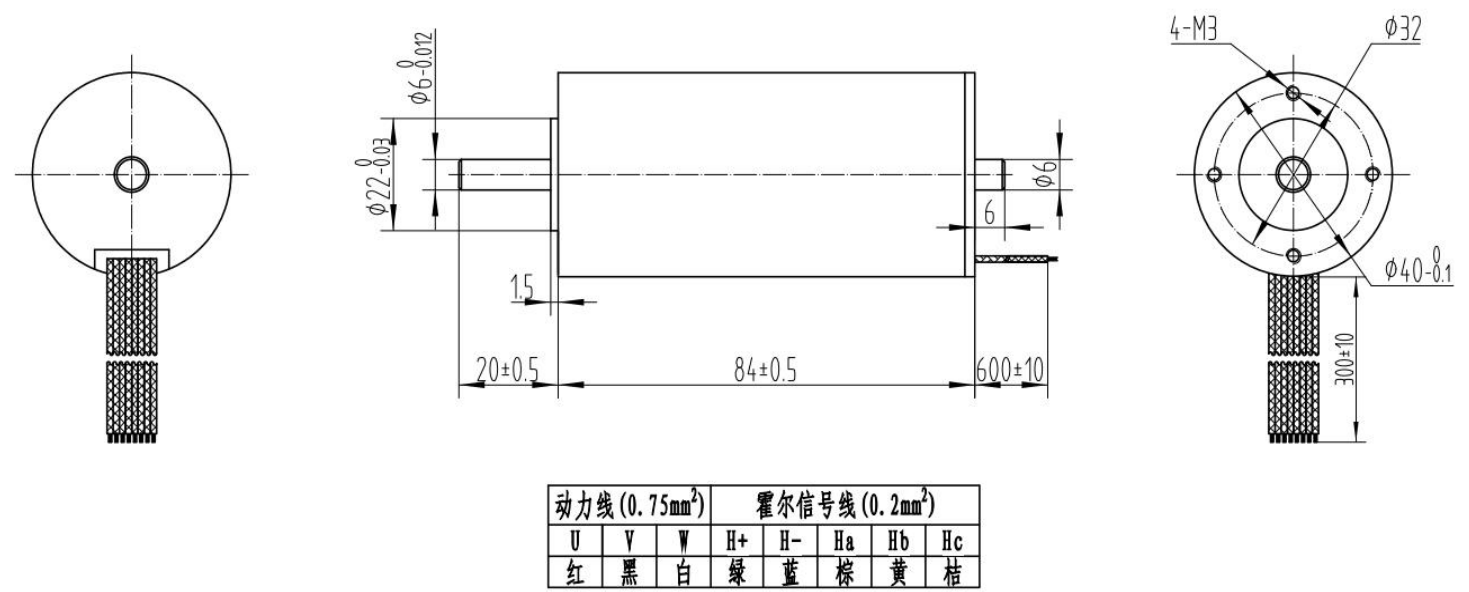
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 40mm空心杯直流无刷电机(无齿槽) Φ 40mmBrushless DC motor (Slotless)

BL4084-24110

外形尺寸图 Dimensional drawing



电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	0.24
3	电感	Terminal inductance	mH	0.07
4	空载转速	No load speed	rpm	11000
5	空载电流	No load current	A	0.55
6	额定转速	Rated speed	rpm	9200
7	额定电流	Rated current	A	8
8	额定扭矩	Rated torque	mNm	200
9	额定功率	Rated power	W	192
10	输出最大功率	The greatest power output	W	593.42
11	效率	Efficiency	%	85.72
12	扭矩常数	Torque constant	mNm/A	20.72
13	堵转力矩 (启动力矩)	Stall torque	mNm	2060.63
14	反电势常数	Back-EMF constant	mV/rpm	2.17
15	速度常数	Speed constant	rpm/V	460.87
16	摩擦力矩	Friction torque	mNm	11.40
17	电流常数	Current constant	A/mNm	0.05
18	最大持续扭矩	Nominal torque	mNm	515.19
19	最大持续电流	Nominal current	A	20.33

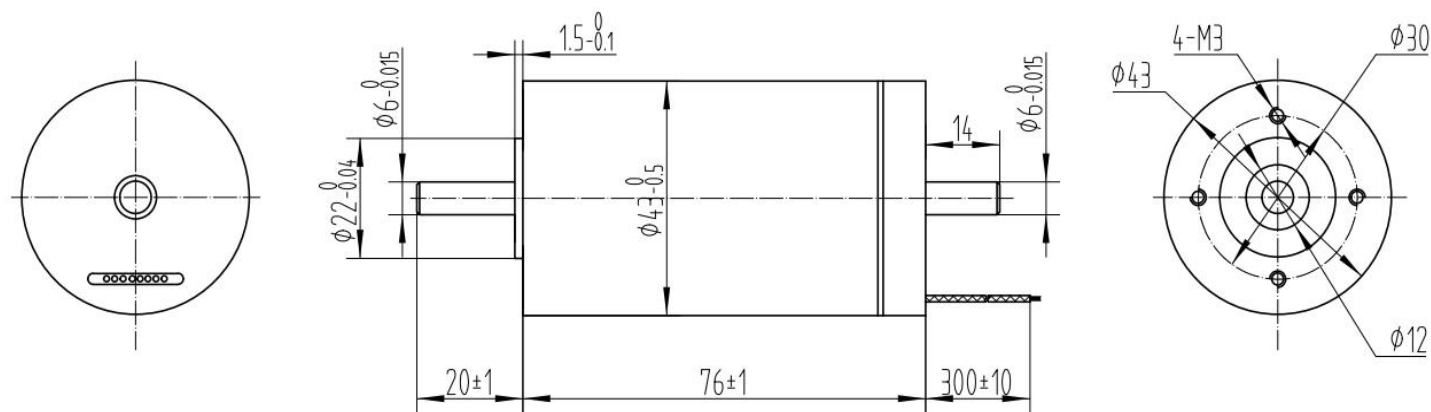
通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1

Φ 43mm空心杯直流无刷电机(无齿槽) Φ 43mmBrushless DC motor (Slotless)

BL4376-24120

外形尺寸图 Dimensional drawing



动力线 (0.75mm ²)			霍尔信号线 (0.2mm ²)				
U	V	W	H+	H-	Ha	Hb	Hc
红	黑	白	绿	蓝	棕	黄	桔

电机参数 Motor parameters

1	额定电压	Rated voltage	V	24
2	电阻	Terminal resistance	Ω	0.28
3	电感	Terminal inductance	mH	0.05
4	空载转速	No load speed	rpm	12000
5	空载电流	No load current	A	0.75
6	额定转速	Rated speed	rpm	10000
7	额定电流	Rated current	A	8.3
8	额定扭矩	Rated torque	mNm	200
9	额定功率	Rated power	W	200
10	输出最大功率	The greatest power output	W	505.33
11	效率	Efficiency	%	82.17
12	扭矩常数	Torque constant	mNm/A	18.93
13	堵转力矩 (启动力矩)	Stall torque	mNm	1608.50
14	反电势常数	Back-EMF constant	mV/rpm	1.98
15	速度常数	Speed constant	rpm/V	504.41
16	摩擦力矩	Friction torque	mNm	14.20
17	电流常数	Current constant	A/mNm	0.05
18	最大持续扭矩	Nominal torque	mNm	402.15
19	最大持续电流	Nominal current	A	17.59

通用参数 General specifications

20	工作温度范围	Operating temperature range	℃	-40~120
21	绕组最高温度	winding Max permissible	℃	180
22	极对数	Number of pole pairs		1