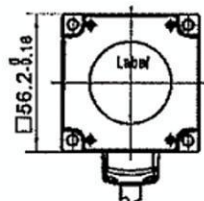
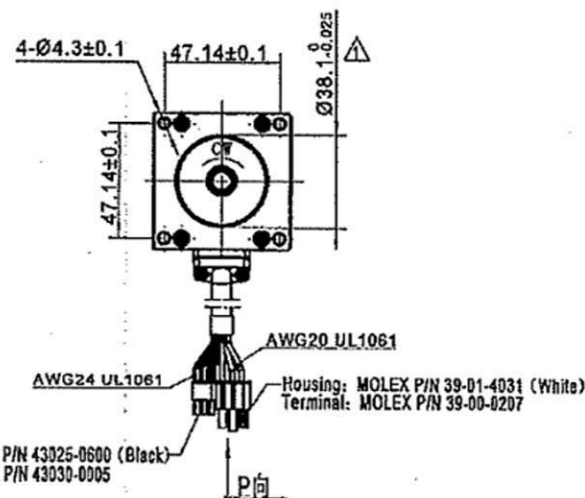
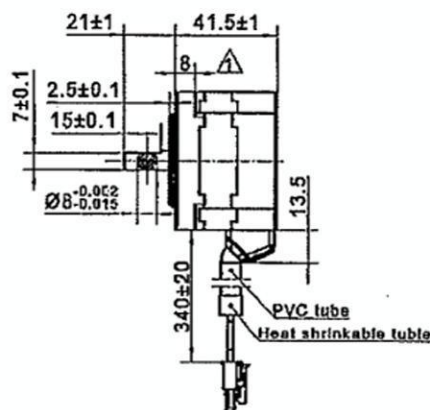
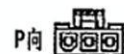


57BLD30L2



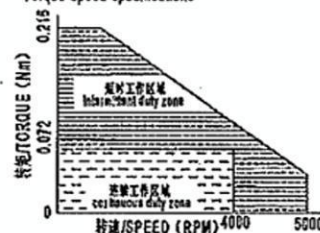
Label Detail

MOLEX
39-01-40311 2 3
BLU ORN YEL

编号 NO.	颜色 COLOR	定义 FUNCTION
1	蓝/blue	W
2	橙/orange	U
3	黄/yellow	V

Housing: MOLEX P/N 43025-0600 (Black)
Terminal: MOLEX P/N 43030-0005无刷电机规格
BLDC Motor Specifications

1 额定电压/Rated power supply	24	VDC
2 额定输出功率/Rated output power	30	W
3 极数/Pole number	8	
4 相数/Phase number	3	
5 额定转速/Rated rotational speed	4000	RPM
6 最大转速/Maximum speed	5000	RPM
7 额定转矩/Rated torque	0.072	Nm
8 额定电流/Rated winding current	1.62	A
9 线反电势/Voltage constant k_e	3.30	Vrms/krpm
10 惯量/Moment of inertia	0.87×10^{-5}	kg·m ²
11 线电阻/Phase resistance $\leq 20^\circ\text{C}$	0.80	Ω
12 线电感/Phase inductance $\leq 30\text{kHz}$	0.71	mH
13 电机质量/Motor mass	0.43	kg
14 绝缘等级/Insulation class	B	130°C
15 防护等级/Protective enclosure rating	IP40	

转矩-转速特性
Torque-speed specifications线反电势与霍尔相位关系图 (顺时针)
Relation between phase EMFs and
hall sensor outputs at CW机械角度
Mechanical degrees
电角度
Electrical degreesEMF V-W
EMF U-V
Hv
Hw
HWMOLEX
43025-0600

BLU BLK ORN

1 2 3
RED YEL

编号 NO.	颜色 COLOR	定义 FUNCTION
1	红/red	VCC(+5V)
3	黄/yellow	Hv
4	蓝/blue	Hw
5	黑/black	GND
6	橙/orange	Ha

Unit: mm

第一角画法
FIRST ANGLE METHOD未注线性与角度尺寸公差
Tolerances for linear and angular dimensions
without individual tolerance indications

GB/T 1804-m eqv ISO 2768-1:2001

未注形状与位置尺寸公差
Geometrical tolerances for features without
individual tolerance indications

GB/T 1184-K eqv ISO 2768-2:2001

批准 Approve

标准化 Standardize

工艺 Process Review

审核 Check

设计 Design

NAMES

SIGNATURE

DATE

MOONS'
moving in better ways

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Drawing No: 4611130001013

Rev. C1

SCALE 1:1

Sheet 1 of 1

C1 EC 21-2121, 共1处: 2021-12-21

C0 EC 20-203, 共2处: 2020-03-14

B0 EC 19-901, 共6处: 2019-06-13

A0 原始版本 Original revision 2018-07-10

REV. 版本记录 REVISION RECORD

DATE

UNLESS OTHERWISE SPECIFIED

NAMES

SIGNATURE

DATE

Drawing No: 4611130001013

Rev. C1

SCALE 1:1

Sheet 1 of 1