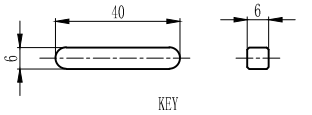
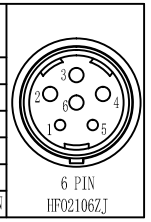


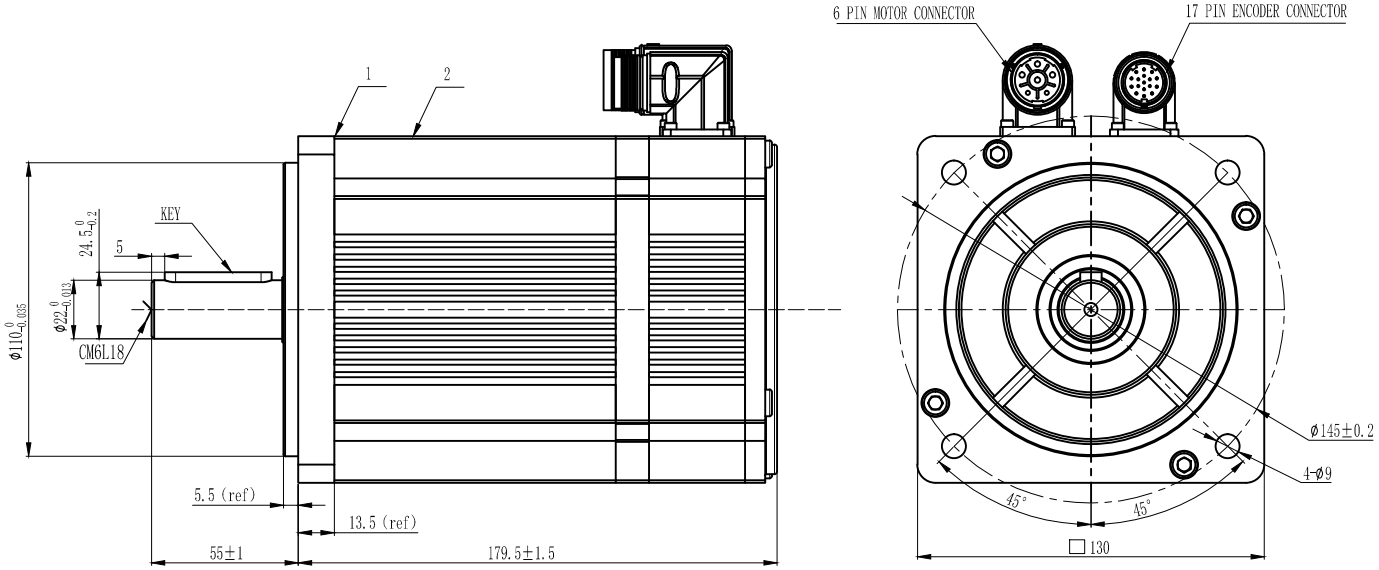

| 角号 Pin | 定义 Function | 颜色 COLOR |
|---|---|---|
| 1 | NC | NC |
| 2 | U | 黄 YELLOW |
| 3 | V | 红 RED |
| 4 | W | 黑 BLACK |
| 5 | NC | NC |
| 6 | PE | 黄绿 YELLOW/GREEN |

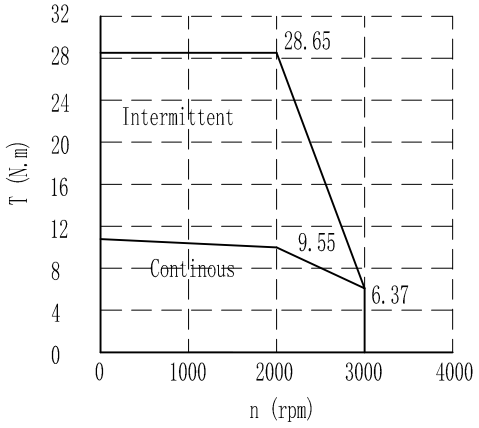



动力 Power

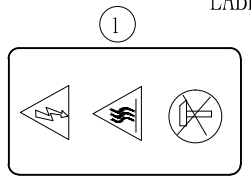
| 角号 Pin | 定义 Function | 颜色 COLOR | 角号 Pin | 定义 Function | 颜色 COLOR |
|---|---|---|---|---|---|
| 1 | VCC +5V | 红 RED | 10 | NC | NC |
| 2 | GND | 黑 BLACK | 11 | NC | NC |
| 3 | NC | NC | 12 | NC | NC |
| 4 | NC | NC | 13 | SHIELDING | |
| 5 | NC | NC | 14 | NC | NC |
| 6 | NC | NC | 15 | NC | NC |
| 7 | NC | NC | 16 | SD+ | 蓝 BLUE |
| 8 | NC | NC | 17 | SD- | 黄 YELLOW |
| 9 | NC | NC | | | |

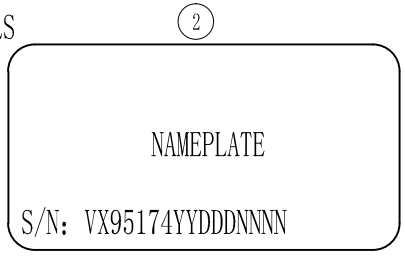
反馈 Feedback




LABELS




| 技术参数 Tecnical Data | |
|---|---|
| 极数 No. of poles | 10 |
| 母线电压 DC Link Voltage $U_{DC}$(V) | 560 |
| 额定功率 Rated Power $P_N$ (W) | 2000 |
| 额定转矩 Rated Torque $T_N$ (N.m) | 9.55 |
| 额定转速 Rated Speed $n_N$ (rpm) | 2000 |
| 额定电流 Rated Current $I_N$ (A) | 4.75(ref.) |
| 最大转矩 Maximum torque $T_m$ (N.m) | 28.65 |
| 最大电流 Maximum Current $I_m$ (A) | 15(ref.) |
| 连续静态转矩 Standstill torque $T_S$ (N.m) | 10.51 |
| 连续静态电流 Standstill Current $I_S$ (A) | 5.25(ref.) |
| 线电阻 Resistance line-line $R_l$ (Ω) | 1.92(ref.) |
| 线电感 Inductance line-line $L_L$ (mH) | 18.6(ref.) |
| 电气时间常数 Electrical time constant $\tau_e$ (ms) | 9.69 |
| 机械时间常数 Mechanical time constant $\tau_m$ (ms) | 1.53 |
| 反电势常数 Voltage constant $K_e$ (V/krpm) | 126.5(ref.) |
| 转矩常数 Torque constant $K_T$ (Nm/A) | 2.1 |
| 转动惯量 Rotor moment of inertia Jm ($Kg.cm^2$) | 20.25 |
| 最大径向力 Max. radial force Fr(N) | 980 |
| 最大轴向力 Max. axial force Fa(N) | 392 |
| 反馈装置 Feed back device | 17bit Single-turn Absolute encoder (NRZ) |
| 绝缘等级 Insulation class | F |
| 防护等级 Protection level | IP65, shaft sealing IP54 |
| 重量 Weight (Kg) | 9.5 |

| VER | DESCRIPTION OF CHANGE |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| VER | ECN NO. | CHANGE | APP'D | DATE |
|---|---|---|---|---|
| | | | | |

FINAL TOLERANCE REFERENCE
GB/T 1804-m Unit:mm
LINER
≤6 ±0.1 >6~30 ±0.2
>30~120 ±0.3 >120~400 0.5

MATERIAL

FIRST ANGLE PROJECTION

| | | |
|---|---|---|
| DESIGN | LJ | 2022-08-16 |
| CHECK | LSJ | 2022-08-16 |
| APPROVE | SL | 2022-08-16 |
| SHEET 1 OF 1 | | |

| | |
|---|---|
| P/NO. | 9.5174 |
| TITLE | Outside Drawing |
| USED ON | SMC130D-0200-20MAK-5HSP |
| SCALE: 1:2.5 | VER: V1.0 |

KINCO

A