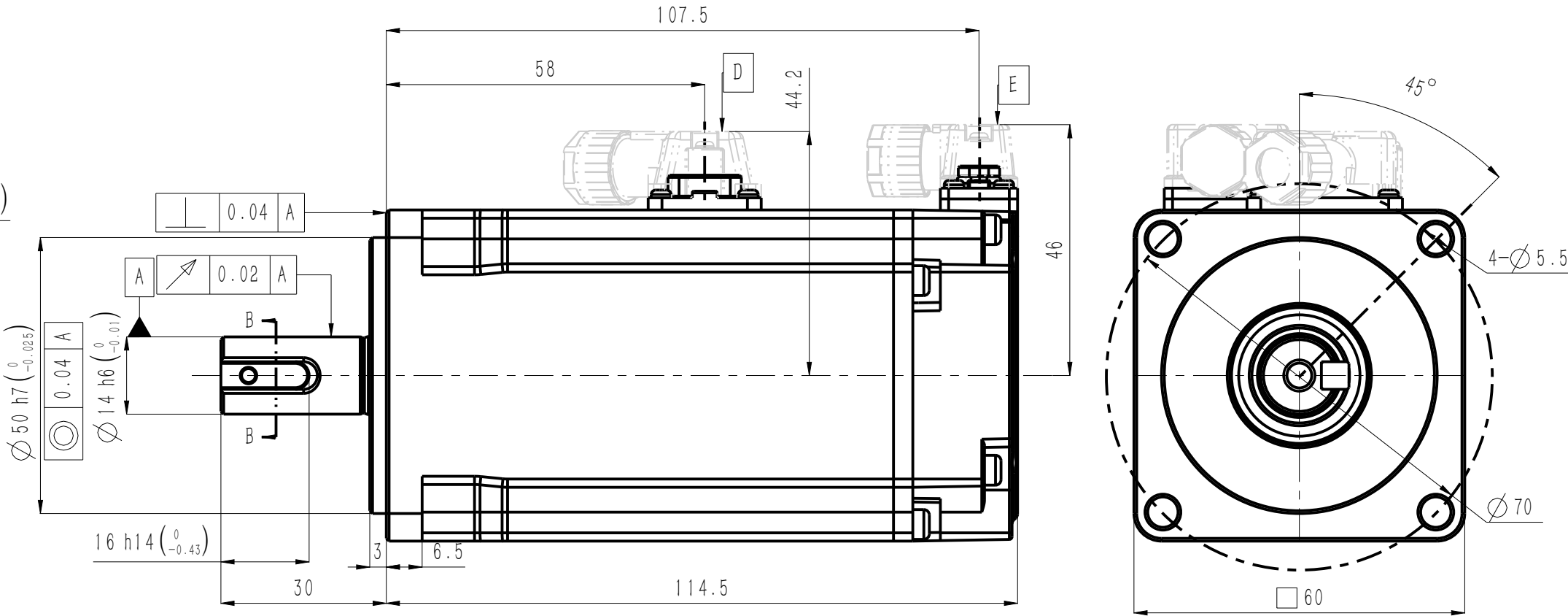
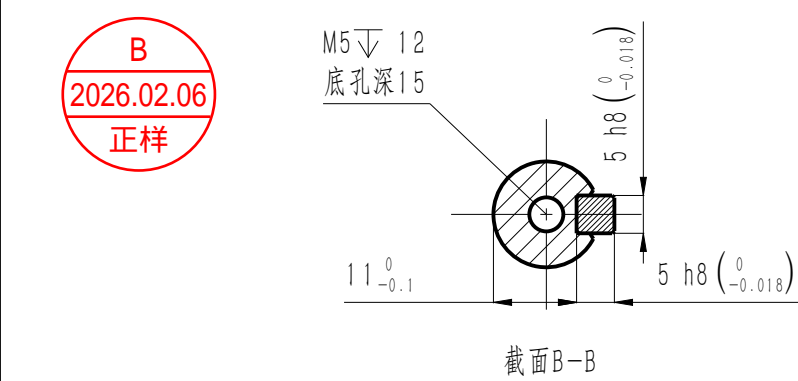
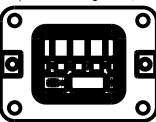
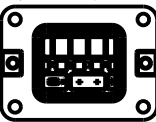


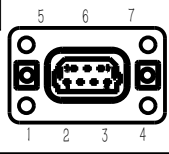
| | |
|------------|--------------------------------|
| 版本 Edition | 变更内容 Description of the change |
| B | 外形图模板变更 |

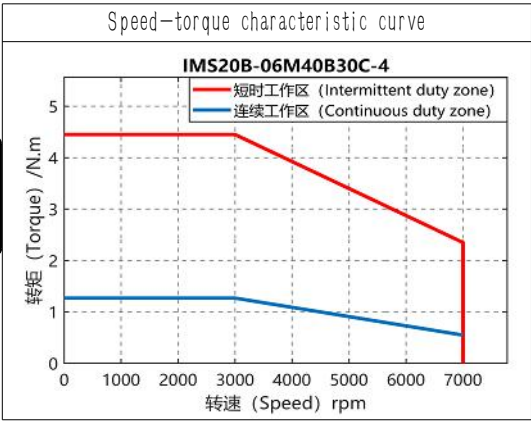
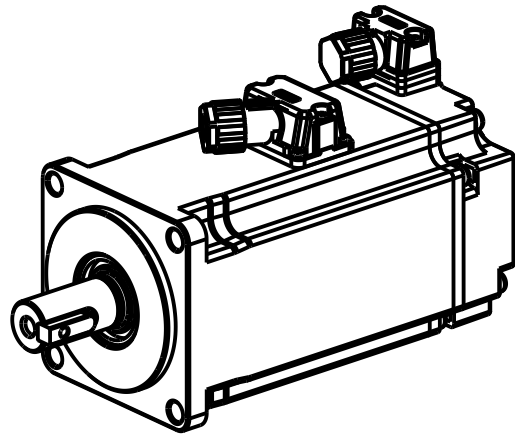


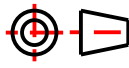
| 抱闸参数 Brake parameters | | |
|---------------------------|---------------------------------------|----------|
| 额定电压 Rated voltage | 24 \pm 10% | V DC |
| 额定功率 Rated power | 7.5 | W |
| 电阻(20℃) Resistance | 76.8 \pm 7% | Ω |
| 额定扭矩 Rated torque | 1.3 | N·m |
| 释放电压 Release voltage | 0.5~8 | V |
| 吸引电压 Pickup voltage | <16.8 | V |
| 吸合时间 Pickup time | <60 | ms |
| 释放时间 Release time | <20 | ms |
| 回转间隙 Rotational Clearance | <0.5° (20%额定扭矩) (20% Rated torque) | |

| 电机技术参数 Motor parameters | | |
|--------------------------------------|---|--------------------|
| 额定电压 Rated voltage | 380 | V AC |
| 额定功率 Rated power | 0.4 | kW |
| 额定扭矩 Rated torque | 1.27 | N·m |
| 峰值扭矩 Peak torque | 4.45 | N·m |
| 额定电流 Rated current | 1.6 | Arms |
| 峰值电流 Peak current | 5.3 | Arms |
| 额定转速 Rated speed | 3000 | rpm |
| 峰值转速 Maximum speed | 7000 | rpm |
| 扭矩系数 Torque constant | 0.85 | N·m/Arms |
| 反电势常数 Back EMF constant | 57.73 | V/krpm |
| 线电阻 line resistance | 13.09 | Ω |
| 线电感 line inductance | 38.4 | mH |
| 转动惯量 Moment of inertia | 0.53 \pm 10% | kg·cm ² |
| 轴向允许载荷 Axial allowable load | 74 | N |
| 径向允许载荷 Radial allowable load | 245 | N |
| 极对数 Number of pole pairs | 5 | 对 |
| IP防护等级 Ingress Protection Rating | IP67 | |
| 绝缘等级 Insulation class | F | |
| 绝缘电阻 Insulation resistance | >100M Ω DC500V | |
| 电机重量 Motor weight | 1.4 | kg |
| 工作温度 Operating temperature | -20℃~40℃ | |
| 工作湿度 Operating humidity | 20%~80% (不结露 Non-dewfall) | |
| 推荐安装海拔 Recommend installing altitude | <1000m(1km以上降额使用) (Derate for use above 1km) | |

| | | | | | | | |
|---------------------------|---|--|---|---|----|-----------|----|
| 动力端子规格 Power connector | | 标准款引线定义 Wiring definition without brake | | | | | |
| SC-MC6P-AP2G-054 | | 1 | 2 | 3 | 4 | A | B |
| D |  | V | U | W | PE | — | |
| 动力端子规格 Power connector | | 抱闸款引线定义 Wiring definition with brake | | | | | |
| SC-MC6P-AP2G-044 | | 1 | 2 | 3 | 4 | A | B |
| D |  | V | U | W | PE | 24V DC | 0V |

| 信号端子规格 Encoder connector | 编码器规格 Connector specifications | 引线定义 Wiring definition | | | | | | |
|---|---|---------------------------|------------|-------------|-------------|------------|-----------|-----------|
| SC-MC7M-A60G-180 | 17-bit magnetic encoder 23-bit optical encoder | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  | | SD+ (白) | SD- (棕) | BAT+ (蓝) | BAT- (黄) | +5V (红) | 0V (黑) | PE (绿) |



| SN | 料号 P/N | 整机型号 Model and Specification | | 编码器 Encoder | |
|-----|-------------|------------------------------|----------|--|---|
| 1 | 11101-01262 | IMS20B-06M40B30C-4-M44-AUL | | 17位多圈磁编 | |
| 2 | 11101-01261 | IMS20B-06M40B30C-4-P94-AUL | | 23位多圈光编 | |
| B | 替换 | / | 20260204 | 名称 电机外形图 Motor outline dimension drawing | |
| A | 新归档 | / | 20250928 | | |
| 版本 | 更改方式 | 更改人 | 日期 | 料号 | / |
| 设计 | / | | | 图号 | / |
| 校核 | / | | | 投影标识 |  |
| 工艺 | / | | | 重量 | / |
| 审核 | / | | | 比例 | 1:1 |
| 标准化 | / | | | 第 1 页 共 1 页 | |
| 批准 | / | | | | |