

SIMOTICS S-1FL6 数据表  
Data sheet for SIMOTICS S-1FL6

订货号：1FL6061-1AC61-0AH1  
Article No. :

客户订单号：  
Client order no. :  
西门子订单号：  
Order no. :  
报价号：  
Offer no. :  
注释：  
Remarks :

物品号：  
Item no. :  
托运号：  
Consignment no. :  
项目：  
Project :



图像类似  
Figure similar

选型数据  
Engineering data

|                                      |                   |
|--------------------------------------|-------------------|
| 额定转速<br>Rated speed                  | 2,000 rpm         |
| 额定扭矩 (100 K)<br>Rated torque (100 K) | 3.58 Nm           |
| 额定电流<br>Rated current                | 2.5 A             |
| 额定功率<br>Rated power                  | 0.75 kW / 1.02 hp |
| 最大转速<br>Max. speed                   | 3,000 rpm         |
| 最大扭矩<br>Maximum torque               | 10.70 Nm          |
| 最大电流<br>Max. current                 | 7.5 A             |
| 静态扭矩<br>Static torque                | 4.00 Nm           |
| 转动惯量<br>Moment of inertia            | 9.100 kgcm²       |

物理常量  
Physical constants

|                         |            |
|-------------------------|------------|
| 扭矩常量<br>Torque constant | 1.50 Nm/A  |
| 热等级<br>Thermal class    | B (130 °C) |
| 净重<br>Net weight        | 8.60 kg    |

环境条件  
Ambient conditions

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| 环境温度<br>Ambient temperature |                                                                        |
| 运行<br>Operation             | 0 ... 40 °C                                                            |
| 相对空气湿度<br>Relative humidity |                                                                        |
| 运行, 最大<br>Max. operation    | 90 % 最大 RH ( 30 °C 时无凝露)<br>90 % RH maximum (no condensation at 30 °C) |

标准  
Standards

|                                   |         |
|-----------------------------------|---------|
| 符合标准<br>Compliance with standards | CE, EAC |
|-----------------------------------|---------|

机械数据  
Mechanical data

|                                       |                                                                          |
|---------------------------------------|--------------------------------------------------------------------------|
| 电机类型<br>Motor type                    | 高惯量<br>High Inertia                                                      |
| 电机类型<br>Motor type                    | 永磁同步电机<br>Permanent-magnet synchronous motor                             |
| 轴高<br>Shaft height                    | 65                                                                       |
| 编码器系统<br>Encoder system               | 增量编码器 TTL, 2500 S/R (13 位)<br>Incremental encoder TTL, 2500 S/R (13 bit) |
| 冷却<br>Cooling                         | 自冷却<br>Natural cooling                                                   |
| 轴端<br>Shaft end                       | 光轴<br>Plain shaft                                                        |
| 圆跳公差<br>Radial runout tolerance       | 类别 N<br>Class N                                                          |
| 振动值等级<br>Vibration severity grade     | 等级 A<br>Grade A                                                          |
| 防护等级<br>Degree of protection          | IP65                                                                     |
| 结构型式, 根据代码 I<br>Design acc. to Code I | IM B5 (IM V1,IM V3)                                                      |
| 连接类型<br>Connection type               | 电缆输出方向固定的直型接头<br>Straight connector (fixed cable outlet direction)       |

抱闸  
Holding brake

|                                                          |              |
|----------------------------------------------------------|--------------|
| 支撑力矩 M <sub>4Br</sub><br>Holding torque M <sub>4Br</sub> | 12.00 Nm     |
| 额定电压<br>Rated voltage                                    | 24 V DC 10 % |
| 开启时间<br>Opening time                                     | 180 ms       |
| 闭合时间<br>Closing time                                     | 60 ms        |
| 额定电流<br>Rated current                                    | 1.50 A       |