

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

订货号 : 1FL6094-1AC61-2LA1  
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) | 23.90 Nm                 |
| 额定电流<br>Rated current                | 12.6 A                   |
| 额定功率<br>Rated power                  | 5.00 kW / 6.80 hp        |
| 最大转速<br>Max. speed                   | 2,500 rpm                |
| 最大扭矩<br>Maximum torque               | 70.00 Nm                 |
| 最大电流<br>Max. current                 | 36.9 A                   |
| 静态扭矩<br>Static torque                | 30.00 Nm                 |
| 转动惯量<br>Moment of inertia            | 90.800 kgcm <sup>2</sup> |

物理常量  
Physical constants

|                         |            |
|-------------------------|------------|
| 扭矩常量<br>Torque constant | 2.00 Nm/A  |
| 热等级<br>Thermal class    | B (130 °C) |
| 净重<br>Net weight        | 24.00 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                    | 90                                                                  |
| 编码器系统<br>Encoder system               | 绝对值编码器 20 位 + 12 位多圈<br>Absolute encoder 20 bit + 12 bit multi-turn |
| 冷却<br>Cooling                         | 自冷却<br>Natural cooling                                              |
| 轴端<br>Shaft end                       | 带键轴<br>Feather key                                                  |
| 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               | 任意输出方向的弯型接头 (可旋转)<br>Angular connector (rotatable)                  |