

## Data sheet for SIMOTICS S-1FL6

Article No. : 1FL6062-1AC61-2LB1

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :



Figure similar

### Engineering data

|                      |                          |
|----------------------|--------------------------|
| Rated speed          | 2,000 rpm                |
| Rated torque (100 K) | 4.78 Nm                  |
| Rated current        | 3.0 A                    |
| Rated power          | 1.00 kW / 1.36 hp        |
| Max. speed           | 3,000 rpm                |
| Maximum torque       | 14.30 Nm                 |
| Max. current         | 9 A                      |
| Static torque        | 6.00 Nm                  |
| Moment of inertia    | 13.500 kgcm <sup>2</sup> |

### Physical constants

|                 |            |
|-----------------|------------|
| Torque constant | 1.70 Nm/A  |
| Thermal class   | B (130 °C) |
| Net weight      | 9.70 kg    |

### Ambient conditions

Ambient temperature

|           |             |
|-----------|-------------|
| Operation | 0 ... 40 °C |
|-----------|-------------|

Relative humidity

|                |                                            |
|----------------|--------------------------------------------|
| Max. operation | 90 % RH maximum (no condensation at 30 °C) |
|----------------|--------------------------------------------|

### Standards

|                           |         |
|---------------------------|---------|
| Compliance with standards | CE, EAC |
|---------------------------|---------|

### Mechanical data

|                          |                                             |
|--------------------------|---------------------------------------------|
| Motor type               | High Inertia                                |
| Motor type               | Permanent-magnet synchronous motor          |
| Shaft height             | 65                                          |
| Encoder system           | Absolute encoder 20 bit + 12 bit multi-turn |
| Cooling                  | Natural cooling                             |
| Shaft end                | Feather key                                 |
| Radial runout tolerance  | Class N                                     |
| Vibration severity grade | Grade A                                     |
| Degree of protection     | IP65                                        |
| Design acc. to Code I    | IM B5 (IM V1, IM V3)                        |
| Connection type          | Angular connector (rotatable)               |

### Holding brake

|                          |              |
|--------------------------|--------------|
| Holding torque $M_{4Br}$ | 12.00 Nm     |
| Rated voltage            | 24 V DC 10 % |
| Opening time             | 180 ms       |
| Closing time             | 60 ms        |
| Rated current            | 1.50 A       |

# TURLL

YOUR GLOBAL AUTOMATION PARTNER

## 1FL6062-1AC61-2LB1

OFFICIAL DATASHEET & QUOTATION

- 100% New & Original Factory Sealed
- Global Express Shipping (DHL/FedEx/UPS)
- 12-Month Warranty Protection
- Professional Technical Support

CHECK STOCK & PRICE



Need Assistance? Scan to Chat on WhatsApp

[sales@turll.com](mailto:sales@turll.com) | +852 6339 7344