

Data sheet for SIMOTICS S-1FL6



Figure similar

Article No. : 1FL6042-1AF61-2LB1

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

Item no. :
Consignment no. :
Project :

Engineering data

| | |
|----------------------|-------------------------|
| Rated speed | 3,000 rpm |
| Rated torque (100 K) | 1.27 Nm |
| Rated current | 1.2 A |
| Rated power | 0.40 kW / 0.54 hp |
| Max. speed | 4,000 rpm |
| Maximum torque | 3.80 Nm |
| Max. current | 3.6 A |
| Static torque | 1.90 Nm |
| Moment of inertia | 3.200 kgcm ² |

Physical constants

| | |
|-----------------|------------|
| Torque constant | 1.10 Nm/A |
| Thermal class | B (130 °C) |
| Net weight | 4.50 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 | 45 |
| 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} | 3.50 Nm |
| Rated voltage | 24 V DC 10 % |
| Opening time | 60 ms |
| Closing time | 45 ms |
| Rated current | 0.90 A |

TURLL

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1FL6042-1AF61-2LB1

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- 100% New & Original Factory Sealed
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