

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6032-2AF21-1MB1



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Engineering data | | Mechanical data | |
|----------------------|--------------------------------------------|---------------------------|-------------------------------------|
| Rated speed | 3000 rpm | Motor type | Low Inertia |
| Rated torque (100 K) | 0.64 Nm | Motor type | Permanent-magnet synchronous motor |
| Rated current | 1.4 A | Shaft height | 30 |
| Rated power | 0.20 kW / 0.27 hp | Encoder system | Absolute encoder single-turn 21 bit |
| Max. speed | 5000 rpm | Cooling | Natural cooling |
| Maximum torque | 1.91 Nm | Shaft extension | Feather key |
| Max. current | 4.2 A | Radial runout tolerance | Class N |
| Static torque | 0.64 Nm | Vibration severity grade | Grade A |
| Moment of inertia | 0.245 kgcm ² | Degree of protection | IP65 |
| Physical constants | | Design acc. to Code I | IM B5 (IM V1, IM V3) |
| Torque constant | 0.48 Nm/A | Connection type | Cable outlet |
| Thermal class | B (130 °C) | Holding brake | |
| Net weight | 1.48 kg | Holding torque M_{4Br} | 1.27 Nm |
| Ambient conditions | | Rated voltage | 24 V DC $\pm 10\%$ |
| Ambient temperature | | Opening time | 75 ms |
| Operation | 0 ... 40 °C | Closing time | 10 ms |
| Relative humidity | | Rated current | 0.30 A |
| Max. operation | 90 % RH maximum (no condensation at 30 °C) | Standards | |
| Standards | | Compliance with standards | CE, EAC |