

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6034-2AF21-1MA1



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) | 1.27 Nm | Motor type | Permanent-magnet synchronous motor |
| Rated current | 2.6 A | Shaft height | 30 |
| Rated power | 0.40 kW / 0.54 hp | Encoder system | Absolute encoder single-turn 21 bit |
| Max. speed | 5000 rpm | Cooling | Natural cooling |
| Maximum torque | 3.82 Nm | Shaft extension | Feather key |
| Max. current | 7.8 A | Radial runout tolerance | Class N |
| Static torque | 1.27 Nm | Vibration severity grade | Grade A |
| Moment of inertia | 0.351 kgcm ² | Degree of protection | IP65 |
| Physical constants | | Design acc. to Code I | IM B5 (IM V1, IM V3) |
| | | Torque constant | 0.49 Nm/A |
| | | Thermal class | B (130 °C) |
| Net weight | 1.46 kg | Connection type | Cable outlet |
| 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 | | |