SIEMENS

## Data sheet for SIMOTICS S-1FL2

**Article No. :** **1FL2103-2AG10-0SC0**

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

Item no. :
Consignment no. :
Project :

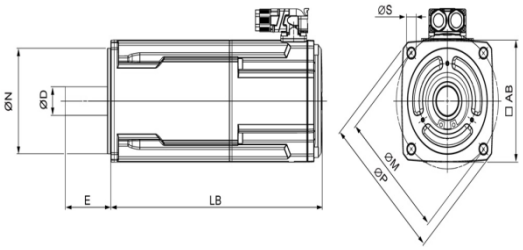
| Basic motor data | |
|---|---|
| Motor type | Permanent-magnet synchronous motor, Natural cooling |
| Motor type | Low Inertia |
| Static torque | 0.64 Nm |
| Static current | 1.28 A |
| Maximum torque | 2.24 Nm |
| Maximum current | 4.80 A |
| Maximum speed | 6,500 rpm |
| Rotor moment of inertia | 0.1100 kgcm² |
| Weight | 1.14 kg |

| Rated data | |
|---|---|
| SINAMICS S200, 1/3 AC 200 ... 240 V | |
| Rated speed | 3,000 rpm |
| Rated torque | 0.64 Nm |
| Rated current | 1.28 A |
| Rated power | 0.20 kW |

| Encoder system | |
|---|---|
| Encoder system | Absolute encoder singleturn 21 bit |

| Motor connection | |
|---|---|
| Connection type | Metal hybrid connector |

| Mechanical data | |
|---|---|
| Design acc. to Code I | IM B5 (IM V1, IM V3) |
| Vibration severity grade | Grade A |
| Shaft height | 30 |
| Flange size (AB) | 60.2 mm |
| Centering ring (N) | 50 mm |
| Hole circle (M) | 70 mm |
| Screw-on hole (S) | 5.4 mm |
| Overall length (LB) | 105.5 mm |
| Diameter of shaft (D) | 14 mm |
| Length of shaft (E) | 30 mm |
| Length of flange diagonal (P) | 81 mm |
| Shaft end | Plain shaft |
| Color of the housing | Anthracite RAL 7016 |




| Holding brake | |
|---|---|
| Rated voltage | 24 V DC 10 % |
| Rated current | 0.30 A |
| Holding torque $M_{4Br}$ | 1.30 Nm |
| Opening time | 60 ms |
| Closing time | 10 ms |

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens