SIEMENS

## Data sheet for SIMOTICS S-1FL2

**Article No. :** **1FL2310-2AC11-0SB0**

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

Item no. :
Consignment no. :
Project :

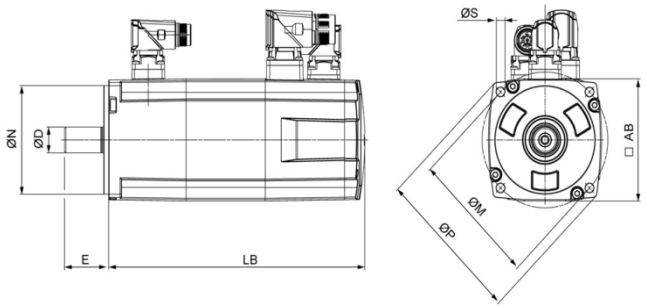
| Basic motor data | |
|---|---|
| Motor type | Permanent-magnet synchronous motor, Natural cooling |
| Motor type | High Inertia |
| Static torque | 18.10 Nm |
| Static current | 11.00 A |
| Maximum torque | 55.00 Nm |
| Maximum current | 36.20 A |
| Maximum speed | 3,000 rpm |
| Rotor moment of inertia | 78.4700 kgcm² |
| Weight | 25.40 kg |

| Rated data | |
|---|---|
| SINAMICS S200, 3 AC 380 ... 480 V | |
| Rated speed | 2,000 rpm |
| Rated torque | 16.70 Nm |
| Rated current | 11.00 A |
| Rated power | 3.50 kW |

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

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

| Mechanical data | |
|---|---|
| Design acc. to Code I | IM B5 (IM V1, IM V3) |
| Vibration severity grade | Grade A |
| Shaft height | 90 |
| Flange size (AB) | 180 mm |
| Centering ring (N) | 114.3 mm |
| Hole circle (M) | 200 mm |
| Screw-on hole (S) | 13.5 mm |
| Overall length (LB) | 281 mm |
| Diameter of shaft (D) | 35 mm |
| Length of shaft (E) | 80 mm |
| Length of flange diagonal (P) | 228 mm |
| Shaft end | Plain shaft |
| Color of the housing | Anthracite RAL 7016 |




| Holding brake | |
|---|---|
| Rated voltage | 24 V DC 10 % |
| Rated current | 1.90 A |
| Holding torque $M_{4Br}$ | 30.00 Nm |
| Opening time | 220 ms |
| Closing time | 115 ms |

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