SIEMENS

## Data sheet for SIMOTICS S-1FL2

**Article No. :** **1FL2204-4BF11-1MC0**

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

Item no. :
Consignment no. :
Project :

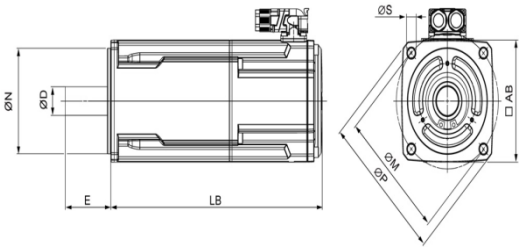
| Basic motor data | |
|---|---|
| Motor type | Permanent-magnet synchronous motor, Natural cooling, compact |
| Motor type | Medium Inertia |
| Static torque | 3.18 Nm |
| Static current | 3.00 A |
| Maximum torque | 11.20 Nm |
| Maximum current | 10.90 A |
| Maximum speed | 6,500 rpm |
| Rotor moment of inertia | 1.7700 kgcm² |
| Weight | 3.20 kg |

| Rated data | |
|---|---|
| SINAMICS S200, 3 AC 380 ... 480 V | |
| Rated speed | 3,000 rpm |
| Rated torque | 3.18 Nm |
| Rated current | 3.00 A |
| Rated power | 1.00 kW |

| Encoder system | |
|---|---|
| Encoder system | Absolute encoder 21-bit singleturn + 12-bit multiturn |

| 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 | 40 |
| Flange size (AB) | 81 mm |
| Centering ring (N) | 70 mm |
| Hole circle (M) | 90 mm |
| Screw-on hole (S) | 6.6 mm |
| Overall length (LB) | 152.6 mm |
| Diameter of shaft (D) | 19 mm |
| Length of shaft (E) | 40 mm |
| Length of flange diagonal (P) | 104.9 mm |
| Shaft end | Shaft with parallel key (half-key balancing) |
| Color of the housing | Anthracite RAL 7016 |




| Holding brake | |
|---|---|
| Rated voltage | 24 V DC 10 % |
| Rated current | 0.60 A |
| Holding torque $M_{4Br}$ | 3.30 Nm |
| Opening time | 100 ms |
| Closing time | 15 ms |