SIEMENS

## Data sheet for SIMOTICS S-1FL2

**Article No. :** **1FL2310-4AC01-1HB0**

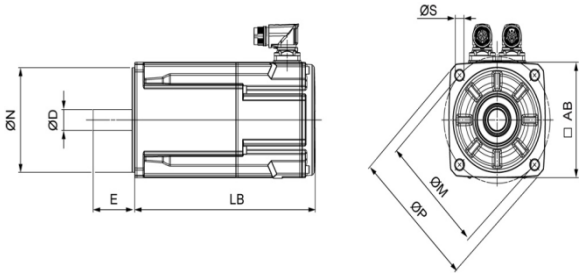
Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

| Basic motor data | |
|---|---|
| Motor type | Permanent-magnet synchronous motor, Natural cooling |
| Motor type | High Inertia |
| Static torque | 25.20 Nm |
| Static current | 12.60 A |
| Maximum torque | 70.00 Nm |
| Maximum current | 36.90 A |
| Maximum speed | 2,500 rpm |
| Rotor moment of inertia | 90.8270 kgcm² |
| Weight | 23.70 kg |

| Rated data | |
|---|---|
| SINAMICS S200, 3 AC 380 ... 480 V | |
| Rated speed | 2,000 rpm |
| Rated torque | 23.90 Nm |
| Rated current | 12.60 A |
| Rated power | 5.00 kW |

| Encoder system | |
|---|---|
| Encoder system | Absolute encoder singleturn 17 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) | 241.5 mm |
| Diameter of shaft (D) | 35 mm |
| Length of shaft (E) | 80 mm |
| Length of flange diagonal (P) | 228 mm |
| Shaft end | Shaft with parallel key (half-key balancing) |
| Color of the housing | Anthracite RAL 7016 |