SIEMENS

## Data sheet for SIMOTICS S-1FL2

**Article No. :** **1FL2102-2AF01-0MC0**

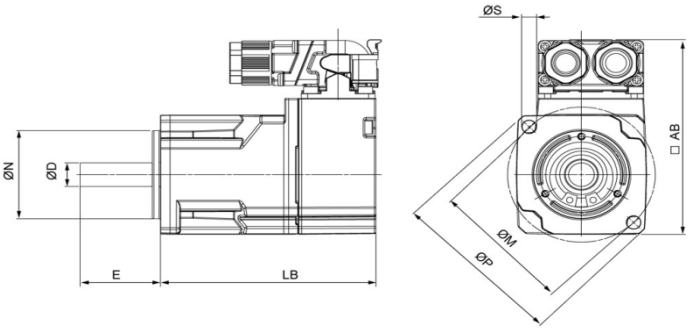
Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

| Basic motor data | |
|---|---|
| Motor type | Permanent-magnet synchronous motor, Natural cooling |
| Motor type | Low Inertia |
| Static torque | 0.16 Nm |
| Static current | 0.84 A |
| Maximum torque | 0.56 Nm |
| Maximum current | 3.40 A |
| Maximum speed | 6,500 rpm |
| Rotor moment of inertia | 0.0170 kgcm² |
| Weight | 0.29 kg |

| Rated data | |
|---|---|
| SINAMICS S200, 3 AC 380 ... 480 V | |
| Rated speed | 3,000 rpm |
| Rated torque | 0.16 Nm |
| Rated current | 0.84 A |
| Rated power | 0.05 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 | 20 |
| Flange size (AB) | 40.6 mm |
| Centering ring (N) | 30 mm |
| Hole circle (M) | 46 mm |
| Screw-on hole (S) | 4.4 mm |
| Overall length (LB) | 67.2 mm |
| Diameter of shaft (D) | 8 mm |
| Length of shaft (E) | 25 mm |
| Length of flange diagonal (P) | 54 mm |
| Shaft end | Plain shaft |
| Color of the housing | Anthracite RAL 7016 |