

## Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2310-4AC11-0MB0

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

Item no. :  
Consignment no. :  
Project :



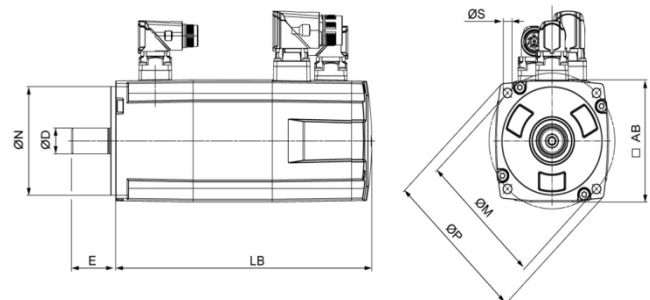
| Basic motor data        |                                                     |
|-------------------------|-----------------------------------------------------|
| Motor type              | Permanent-magnet synchronous motor, Natural cooling |
| Motor type              | High Inertia                                        |
| 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 | 100.2000 kgcm <sup>2</sup>                          |
| Weight                  | 29.70 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 21-bit singleturn + 12-bit multiturn |

| 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)           | 307 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       |