

## Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2105-4AF11-0MB0

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

Item no. :  
Consignment no. :  
Project :



### Basic motor data

|                         |                                    |
|-------------------------|------------------------------------|
| Motor type              | Permanent-magnet synchronous motor |
| Motor type              | Low Inertia                        |
| Static torque           | 8.00 Nm                            |
| Static current          | 6.70 A                             |
| Maximum torque          | 25.30 Nm                           |
| Maximum current         | 24.0 A                             |
| Maximum speed           | 6,000 rpm                          |
| Rotor moment of inertia | 2.6500 kgcm <sup>2</sup>           |
| Weight                  | 8.7 kg                             |

### Rated data

SINAMICS S200, 3 AC 380 ... 480 V

|               |           |
|---------------|-----------|
| Rated speed   | 3,000 rpm |
| Rated torque  | 6.60 Nm   |
| Rated current | 5.6 A     |
| Rated power   | 2.10 kW   |

### Encoder system

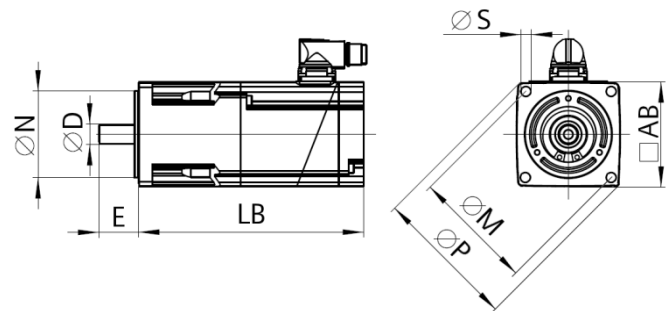
|                |                                                       |
|----------------|-------------------------------------------------------|
| Encoder system | Absolute encoder 21-bit singleturn + 12-bit multiturn |
|----------------|-------------------------------------------------------|

### 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                  | 52                   |
| Flange size (AB)              | 105 mm               |
| Centering ring (N)            | 95 mm                |
| Hole circle (M)               | 115 mm               |
| Screw-on hole (S)             | 9.0 mm               |
| Overall length (LB)           | 237.7 mm             |
| Diameter of shaft (D)         | 19 mm                |
| Length of shaft (E)           | 45 mm                |
| Length of flange diagonal (P) | 135 mm               |
| Shaft end                     | Plain shaft          |
| Color of the housing          | Anthracite RAL 7016  |



### Holding brake

|                          |              |
|--------------------------|--------------|
| Rated voltage            | 24 V DC 10 % |
| Rated current            | 0.57 A       |
| Holding torque $M_{4Br}$ | 8.00 Nm      |
| Opening time             | 90 ms        |
| Closing time             | 25 ms        |