

## Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2204-4AG10-0SC0

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

Item no. :  
Consignment no. :  
Project :



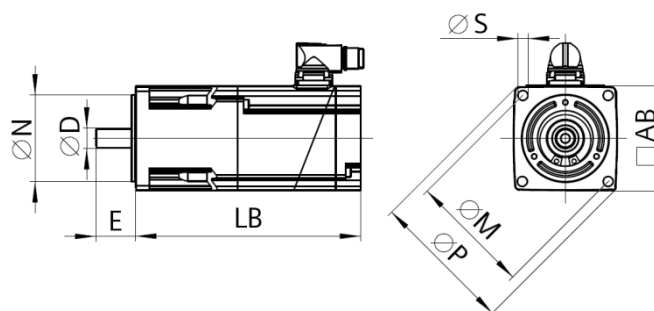
| Basic motor data        |                                    |
|-------------------------|------------------------------------|
| Motor type              | Permanent-magnet synchronous motor |
| Motor type              | Medium Inertia                     |
| Static torque           | 3.20 Nm                            |
| Static current          | 4.40 A                             |
| Maximum torque          | 11.30 Nm                           |
| Maximum current         | 16.0 A                             |
| Maximum speed           | 6,500 rpm                          |
| Rotor moment of inertia | 1.6100 kgcm <sup>2</sup>           |
| Weight                  | 3.9 kg                             |

| Rated data                          |           |
|-------------------------------------|-----------|
| SINAMICS S200, 1/3 AC 200 ... 240 V |           |
| Rated speed                         | 3,000 rpm |
| Rated torque                        | 3.20 Nm   |
| Rated current                       | 4.4 A     |
| Rated power                         | 1.00 kW   |

| Encoder system |                                    |
|----------------|------------------------------------|
| Encoder system | Absolute encoder singleturn 21 bit |

| 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)           | 186.6 mm             |
| Diameter of shaft (D)         | 19 mm                |
| Length of shaft (E)           | 40 mm                |
| Length of flange diagonal (P) | 104.9 mm             |
| Shaft end                     | Plain shaft          |
| Color of the housing          | Anthracite RAL 7016  |



| Holding brake            |              |
|--------------------------|--------------|
| Rated voltage            | 24 V DC 10 % |
| Rated current            | 0.35 A       |
| Holding torque $M_{4Br}$ | 3.30 Nm      |
| Opening time             | 100 ms       |
| Closing time             | 15 ms        |