

## Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2310-2AC01-0SB0



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           | 18.10 Nm                                            |
| Static current          | 11.00 A                                             |
| Maximum torque          | 55.00 Nm                                            |
| Maximum current         | 36.20 A                                             |
| Maximum speed           | 3,000 rpm                                           |
| Rotor moment of inertia | 69.0950 kgcm <sup>2</sup>                           |
| Weight                  | 19.40 kg                                            |

| Rated data                        |           |
|-----------------------------------|-----------|
| SINAMICS S200, 3 AC 380 ... 480 V |           |
| Rated speed                       | 2,000 rpm |
| Rated torque                      | 16.70 Nm  |
| Rated current                     | 11.00 A   |
| Rated power                       | 3.50 kW   |

| Encoder system |                                    |
|----------------|------------------------------------|
| Encoder system | Absolute encoder singleturn 21 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)           | 215.5 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  |

