

## Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2102-4AG01-0SC0



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           | 0.32 Nm                                             |
| Static current          | 0.76 A                                              |
| Maximum torque          | 1.12 Nm                                             |
| Maximum current         | 2.95 A                                              |
| Maximum speed           | 6,500 rpm                                           |
| Rotor moment of inertia | 0.0290 kgcm <sup>2</sup>                            |
| Weight                  | 0.39 kg                                             |

| Rated data                          |           |
|-------------------------------------|-----------|
| SINAMICS S200, 1/3 AC 200 ... 240 V |           |
| Rated speed                         | 3,000 rpm |
| Rated torque                        | 0.32 Nm   |
| Rated current                       | 0.76 A    |
| Rated power                         | 0.10 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                  | 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)           | 80.2 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  |

