

Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2205-2AF01-0SB0



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 | Medium Inertia |
| Static torque | 3.60 Nm |
| Static current | 2.90 A |
| Maximum torque | 11.50 Nm |
| Maximum current | 9.50 A |
| Maximum speed | 6,000 rpm |
| Rotor moment of inertia | 3.1500 kgcm ² |
| Weight | 3.60 kg |

Rated data

SINAMICS S200, 3 AC 380 ... 480 V

| | |
|---------------|-----------|
| Rated speed | 3,000 rpm |
| Rated torque | 3.00 Nm |
| Rated current | 2.50 A |
| Rated power | 0.94 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 | 48 |
| Flange size (AB) | 95 mm |
| Centering ring (N) | 80 mm |
| Hole circle (M) | 100 mm |
| Screw-on hole (S) | 6.6 mm |
| Overall length (LB) | 135.9 mm |
| Diameter of shaft (D) | 19 mm |
| Length of shaft (E) | 40 mm |
| Length of flange diagonal (P) | 120 mm |
| Shaft end | Plain shaft |
| Color of the housing | Anthracite RAL 7016 |

