

Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2306-4AC11-1HB0



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

Item no. :
Consignment no. :
Project :

Basic motor data

| | |
|-------------------------|------------------------------------|
| Motor type | Permanent-magnet synchronous motor |
| Motor type | High Inertia |
| Static torque | 8.00 Nm |
| Static current | 4.90 A |
| Maximum torque | 22.00 Nm |
| Maximum current | 14.10 A |
| Maximum speed | 3,000 rpm |
| Rotor moment of inertia | 15.2870 kgcm ² |
| Weight | 11.60 kg |

Rated data

SINAMICS S200, 3 AC 380 ... 480 V

| | |
|---------------|-----------|
| Rated speed | 2,000 rpm |
| Rated torque | 7.16 Nm |
| Rated current | 4.60 A |
| Rated power | 1.50 kW |

Encoder system

Encoder system Absolute encoder singleturn 17 bit

Motor connection

Connection type Metal angular connector

Mechanical data

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|-------------------------------|--|
| Design acc. to Code I | IM B5 (IM V1, IM V3) |
| Vibration severity grade | Grade A |
| Shaft height | 65 |
| Flange size (AB) | 130 mm |
| Centering ring (N) | 110 mm |
| Hole circle (M) | 145 mm |
| Screw-on hole (S) | 9.0 mm |
| Overall length (LB) | 235.7 mm |
| Diameter of shaft (D) | 22 mm |
| Length of shaft (E) | 58 mm |
| Length of flange diagonal (P) | 165.2 mm |
| Shaft end | Shaft with parallel key (half-key balancing) |
| Color of the housing | Anthracite RAL 7016 |



Holding brake

| | |
|--------------------------|--------------|
| Rated voltage | 24 V DC 10 % |
| Rated current | 1.50 A |
| Holding torque M_{4Br} | 12.00 Nm |
| Opening time | 180 ms |
| Closing time | 60 ms |