

Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2304-4AF11-1MB0



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

Item no. :
Consignment no. :
Project :

Basic motor data

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|-------------------------|------------------------------------|
| Motor type | Permanent-magnet synchronous motor |
| Motor type | High Inertia |
| Static torque | 3.02 Nm |
| Static current | 2.50 A |
| Maximum torque | 8.37 Nm |
| Maximum current | 7.30 A |
| Maximum speed | 4,000 rpm |
| Rotor moment of inertia | 5.1800 kgcm ² |
| Weight | 6.80 kg |

Rated data

SINAMICS S200, 3 AC 380 ... 480 V

| | |
|---------------|-----------|
| Rated speed | 3,000 rpm |
| Rated torque | 2.39 Nm |
| Rated current | 2.10 A |
| Rated power | 0.75 kW |

Encoder system

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|----------------|---|
| Encoder system | Absolute encoder 21-bit singleturn + 12-bit multiturn |
|----------------|---|

Motor connection

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|-----------------|-------------------------|
| 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 | 45 |
| Flange size (AB) | 90 mm |
| Centering ring (N) | 80 mm |
| Hole circle (M) | 100 mm |
| Screw-on hole (S) | 6.7 mm |
| Overall length (LB) | 250 mm |
| Diameter of shaft (D) | 19 mm |
| Length of shaft (E) | 35 mm |
| Length of flange diagonal (P) | 116 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 | 0.90 A |
| Holding torque M_{4Br} | 3.50 Nm |
| Opening time | 60 ms |
| Closing time | 45 ms |