

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data 1FK2104-6AF10-1SA0



Figure similar

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

Remarks:

Item no. : Consignment no. : Project :

Shaft extension

| Basic motor data | | |
|-------------------------|--|--|
| Motor type | Permanent-magnet synchronous motor, Natural cooling, IP64 | |
| Motor type | High Dynamic | |
| Static torque | 3.20 Nm | |
| Static current | 3.0 A | |
| Maximum torque | 10.00 Nm | |
| Maximum current | 10.9 A | |
| Maximum speed | 7200 rpm | |
| Rotor moment of inertia | 0.840 kgcm² | |
| Weight | 4.2 kg | |

| Rated data |
|------------|
| |

SINAMICS S210, 3AC 400V

| Rated speed | 3000 rpm |
|---------------|----------|
| Rated torque | 3.20 Nm |
| Rated current | 3.0 A |
| Rated power | 1.00 kW |

Encoder system

Encoder system Encoder AS22DQC: Absolute encoder single turn 22 bit

| Motor connection | | |
|------------------|--------------|--|
| Connection type | OCC for S210 | |
| Connector size | M17 | |

| Mechanical data | | |
|-------------------------------|----------------------|--|
| Design acc. to Code I | IM B5 (IM V1, IM V3) | |
| Vibration severity grade | Grade A | |
| Shaft height | 40 | |
| Flange size (AB) | 80 mm | |
| Centering ring (N) | 70 mm | |
| Hole circle (M) | 90 mm | |
| Screw-on hole (S) | 6.5 mm | |
| Overall length (LB) | 188 mm | |
| Diameter of shaft (D) | 19 mm | |
| Length of shaft (E) | 40 mm | |
| Length of flange diagonal (P) | 105 mm | |
| | | |

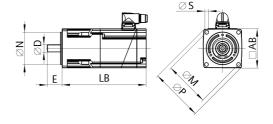


Figure similar

Fitted key





MLFB-Ordering data

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Figure similar

| Holding brake | | |
|--|----------|--|
| Holding torque | 3.30 Nm | |
| Opening time | 50 ms | |
| Closing time | 15 ms | |
| Maximum single switching energy 1) | 270.0 J | |
| Service life, operating energy | 120000 J | |
| Holding current | 0.2 A | |
| Break-induced current for 500 ms ²⁾ | 1.2 A | |

¹⁾ Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

 $^{^{2)}}$ Typcial value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.