

Data sheet for SIMOTICS S-1FK2



Figure similar

MLFB-Ordering data

1FK2204-6AF11-0SA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Basic motor data | | Mechanical data | |
|-------------------------|---|-------------------------------|----------------------|
| Motor type | Permanent-magnet synchronous motor, Natural cooling, IP65 | Design acc. to Code I | IM B5 (IM V1, IM V3) |
| Motor type | Compact | Vibration severity grade | Grade A |
| Static torque | 3.20 Nm | Shaft height | 40 |
| Static current | 3.0 A | Flange size (AB) | 80 mm |
| Maximum torque | 9.50 Nm | Centering ring (N) | 70 mm |
| Maximum current | 9.9 A | Hole circle (M) | 90 mm |
| Maximum speed | 7600 rpm | Screw-on hole (S) | 6.5 mm |
| Rotor moment of inertia | 1.690 kgcm ² | Overall length (LB) | 188 mm |
| Weight | 4.3 kg | Diameter of shaft (D) | 19 mm |
| | | Length of shaft (E) | 40 mm |
| | | Length of flange diagonal (P) | 105 mm |
| | | Shaft extension | Plain shaft |

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 |

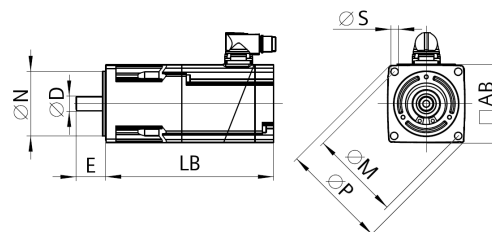


Figure similar



Figure similar

MLFB-Ordering data 1FK2204-6AF11-0SA0

| 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%.