

Data sheet for SIMOTICS S-1FK2



Figure similar

MLFB-Ordering data

1FK2105-6AF10-0SA0

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, IP64 | Design acc. to Code I | IM B5 (IM V1, IM V3) |
| Motor type | High Dynamic | Vibration severity grade | Grade A |
| Static torque | 8.00 Nm | Shaft height | 52 |
| Static current | 6.7 A | Flange size (AB) | 105 mm |
| Maximum torque | 24.00 Nm | Centering ring (N) | 95 mm |
| Maximum current | 24.0 A | Hole circle (M) | 115 mm |
| Maximum speed | 6000 rpm | Screw-on hole (S) | 9.0 mm |
| Rotor moment of inertia | 3.500 kgcm ² | Overall length (LB) | 244 mm |
| Weight | 8.7 kg | Diameter of shaft (D) | 19 mm |
| | | Length of shaft (E) | 40 mm |
| | | Length of flange diagonal (P) | 135 mm |
| | | Shaft extension | Plain shaft |

Rated data

SINAMICS S210, 3AC 400V

| | |
|---------------|----------|
| Rated speed | 3000 rpm |
| Rated torque | 6.60 Nm |
| Rated current | 5.6 A |
| Rated power | 2.10 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

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Figure similar

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

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