

Data sheet for SIMOTICS S-1FK2



Figure similar

MLFB-Ordering data

1FK2208-3AC11-0MA0

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 | 18.00 Nm | Shaft height | 80 |
| Static current | 8.4 A | Flange size (AB) | 155 mm |
| Maximum torque | 51.00 Nm | Centering ring (N) | 130 mm |
| Maximum current | 29.5 A | Hole circle (M) | 165 mm |
| Maximum speed | 4100 rpm | Screw-on hole (S) | 11.0 mm |
| Rotor moment of inertia | 33.000 kgcm ² | Overall length (LB) | 236 mm |
| Weight | 14.6 kg | Diameter of shaft (D) | 32 mm |
| | | Length of shaft (E) | 58 mm |
| | | Length of flange diagonal (P) | 200 mm |
| | | Shaft extension | Plain shaft |

Rated data

SINAMICS S210, 3AC 400V

| | |
|---------------|----------|
| Rated speed | 2000 rpm |
| Rated torque | 14.50 Nm |
| Rated current | 7.0 A |
| Rated power | 3.05 kW |

Encoder system

| | |
|----------------|---|
| Encoder system | Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn |
|----------------|---|

Motor connection

| | |
|-----------------|--------------|
| Connection type | OCC for S210 |
| Connector size | M23 |



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.