

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2106-6AF00-0MA0



Figure similar

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

Item no. :  
Consignment no. :  
Project :

### Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	High Dynamic
Static torque	16.00 Nm
Static current	14.3 A
Maximum torque	45.50 Nm
Maximum current	49.0 A
Maximum speed	6,000 rpm
Rotor moment of inertia	8.7000 kgcm <sup>2</sup>
Weight	11.8 kg

### Rated data

SINAMICS S210, 3AC 400V

Rated speed	3,000 rpm
Rated torque	10.60 Nm
Rated current	9.7 A
Rated power	3.30 kW

### Encoder system

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

### Motor connection

Connection type	OCC for S210
Connector size	M23

### Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	63
Flange size (AB)	125 mm
Centering ring (N)	110 mm
Hole circle (M)	130 mm
Screw-on hole (S)	9.0 mm
Overall length (LB)	232 mm
Diameter of shaft (D)	24 mm
Length of shaft (E)	50 mm
Length of flange diagonal (P)	158 mm
Shaft end	Plain shaft
Color of the housing	Standard (Anthracite, similar to RAL 7016)

