# **SIEMENS**

## Data sheet for SIMOTICS S-1FK2

### MLFB-Ordering data

## 1FK2206-2AF10-0MA0



Figure similar

Figure similar

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

ltem 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)
		Vibration severity grade	Grade A
Motor type	Compact	Shaft height	63
Static torque	6.50 Nm	Flange size (AB)	125 mm
Static current	5.0 A	Centering ring (N)	110 mm
Maximum torque	18.00 Nm	Hole circle (M)	130 mm
Maximum current	17.8 A	Screw-on hole (S)	9.0 mm
		Overall length (LB)	205 mm
Maximum speed	6000 rpm	Diameter of shaft (D)	24 mm
Rotor moment of inertia	9.400 kgcm²	Length of shaft (E)	50 mm
Weight	7.9 kg	Length of flange diagonal (P)	158 mm
Rate	ed data	Shaft extension	Plain shaft

#### SINAMICS S210, 3AC 400V

Rated speed	3000 rpm	
Rated torque	5.40 Nm	
Rated current	4.4 A	
Rated power	1.71 kW	

## Encoder system

Encoder system

Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn

Motor connection			
Connection type	OCC for S210		
Connector size	M23		

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LB

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## **MLFB-Ordering data**

# 1FK2206-2AF10-0MA0

Holding brake			
Holding torque	13.00 Nm		
Opening time	70 ms		
Closing time	30 ms		
Maximum single switching energy <sup>1)</sup>	1550.0 J		
Service life, operating energy	774000 J		
Holding current	0.35 A		
Break-induced current for 500 ms <sup>2)</sup>	1.1 A		

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

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

Figure similar