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

Figure similar