SIEMENS

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data

1FK2203-4AG10-0SA0



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	Design acc. to Code I	IM B5 (IM V1, IM V3)
	motor, Natural cooling, IP64	Vibration severity grade	Grade A
Motor type	Compact	Shaft height	30
Static torque	1.27 Nm	Flange size (AB)	60 mm
Static current	2.5 A	Centering ring (N)	50 mm
Maximum torque	3.75 Nm	Hole circle (M)	70 mm
Maximum current	7.8 A	Screw-on hole (S)	5.5 mm
Maximum speed	7800 rpm	Overall length (LB)	155 mm
		Diameter of shaft (D)	14 mm
Rotor moment of inertia	0.370 kgcm²	Length of shaft (E)	30 mm
Weight	2.1 kg	Length of flange diagonal (P)	81 mm
Rated data		Shaft extension	Plain shaft

SINAMICS S210, 1AC 230V

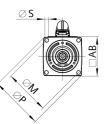
Rated speed	3000 rpm	
Rated torque	1.27 Nm	
Rated current	2.5 A	
Rated power	0.40 kW	

Encoder system

Encoder system

Encoder AS22DQC: Absolute encoder single turn 22 bit

Motor connection			
Connection type	OCC for S210		
Connector size	M12		



LB

Е

Figure similar





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Holding brake			
Holding torque	1.30 Nm		
Opening time	40 ms		
Closing time	10 ms		
Maximum single switching energy ¹⁾	62.0 J		
Service life, operating energy	17500 J		
Holding current	0.15 A		
Break-induced current for 500 ms ²⁾	0.8 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