SIEMENS

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data

1FK2104-6AF11-0SA0



Figure similar

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

Item 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, IP65	Vibration severity grade	Grade A
Motor type	High Dynamic	Shaft height	40
Static torque	3.20 Nm	Flange size (AB)	80 mm
Static current	3.0 A	Centering ring (N)	70 mm
Maximum torque	10.00 Nm	Hole circle (M)	90 mm
Maximum current	10.9 A	Screw-on hole (S)	6.5 mm
	7200 rpm	Overall length (LB)	188 mm
Maximum speed	·	Diameter of shaft (D)	19 mm
Rotor moment of inertia	0.840 kgcm²	Length of shaft (E)	40 mm
Weight	4.2 kg	Length of flange diagonal (P)	105 mm
Rated data		Shaft extension	Plain shaft

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SINAMICS S210, 3AC 400V

Rated speed	3000 rpm	
Rated torque	3.20 Nm	
Rated current	3.0 A	
Rated power	1.00 kW	

Encoder system

Encoder system

Encoder AS22DQC: Absolute encoder single turn 22 bit

Motor connection				
Connection type	OCC for S210			
Connector size	M17			

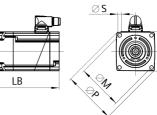


Figure similar





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Holding brake			
Holding torque	3.30 Nm		
Opening time	50 ms		
Closing time	15 ms		
Maximum single switching energy ¹⁾	270.0 J		
Service life, operating energy	120000 J		
Holding current	0.2 A		
Break-induced current for 500 ms ²⁾	1.2 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