SIEMENS

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data

1FK2104-6AF11-1MA0



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, IP65	Design acc. to Code I	IM B5 (IM V1, IM V3)
		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
Maximum speed	7200 rpm	Overall length (LB)	188 mm
		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	Fitted key

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 AM22DQC: Absolute encoder 22 bit + 12 bit multiturn

Motor connection			
Connection type	OCC for S210		
Connector size	M17		

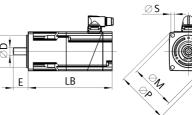


Figure similar





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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