

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data 1FK2104-5AF11-1MA0



Figure similar

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

Remarks:

Item no. : Consignment no. : Project :

Shaft extension

Basic motor data		
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65	
Motor type	High Dynamic	
Static torque	2.40 Nm	
Static current	2.1 A	
Maximum torque	7.50 Nm	
Maximum current	7.6 A	
Maximum speed	6700 rpm	
Rotor moment of inertia	0.650 kgcm²	
Weight	3.7 kg	

Rated data

SINAMICS S210, 3AC 400V

Rated speed	3000 rpm
Rated torque	2.40 Nm
Rated current	2.1 A
Rated power	0.75 kW

Encoder system

Encoder system Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn

Motor connection		
Connection type	OCC for S210	
Connector size	M17	

	Mechanical data		
	Design acc. to Code I	IM B5 (IM V1, IM V3)	
	Vibration severity grade	Grade A	
	Shaft height	40	
	Flange size (AB)	80 mm	
	Centering ring (N)	70 mm	
	Hole circle (M)	90 mm	
	Screw-on hole (S)	6.5 mm	
	Overall length (LB)	170 mm	
	Diameter of shaft (D)	19 mm	
	Length of shaft (E)	40 mm	
	Length of flange diagonal (P)	105 mm	

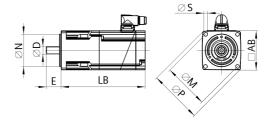


Figure similar

Fitted key





MLFB-Ordering data

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Figure similar

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%.