SIEMENS

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data

1FK2208-4AC11-1MA0



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	Design acc. to Code l	IM B5 (IM V1, IM V3)
	motor, Natural cooling, IP65	Vibration severity grade	Grade A
Motor type	Compact	Shaft height	80
Static torque	22.00 Nm	Flange size (AB)	155 mm
Static current	11.7 A	Centering ring (N)	130 mm
Maximum torque	66.00 Nm	Hole circle (M)	165 mm
Maximum current	43.5 A	Screw-on hole (S)	11.0 mm
Maximum speed	4600 rpm	Overall length (LB)	256 mm
Rotor moment of inertia	44.400 kgcm ²	Diameter of shaft (D)	32 mm
	J	Length of shaft (E)	58 mm
Weight	17.3 kg	Length of flange diagonal (P)	202 mm
Rated data		Shaft extension	Fitted key

SINAMICS S210, 3AC 400V

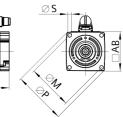
Rated speed	2000 rpm	
Rated torque	17.00 Nm	
Rated current	9.3 A	
Rated power	3.55 kW	

Encoder system

Encoder system

Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn

Motor connection			
Connection type	OCC for S210		
Connector size	M23		



LB

Е

Figure similar





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Holding brake			
Holding torque	32.00 Nm		
Opening time	120 ms		
Closing time	35 ms		
Maximum single switching energy ¹⁾	4800.0 J		
Service life, operating energy	2400000 J		
Holding current	0.5 A		
Break-induced current for 500 ms ²⁾	1.4 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