SIEMENS

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data

1FK2210-4AB10-0SA0



Figure similar

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

ltem no. :	
Consignment no.	:
Project :	

Basic	motor data	Mechanic	al 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	100
Static torque	40.00 Nm	Flange size (AB)	192 mm
Static current	11.8 A	Centering ring (N)	180 mm
Maximum torque	120.00 Nm	Hole circle (M)	215 mm
Maximum current	43.5 A	Screw-on hole (S)	14.0 mm
		Overall length (LB)	282 mm
Maximum speed	2500 rpm	Diameter of shaft (D)	38 mm
Rotor moment of inertia	133.000 kgcm²	Length of shaft (E)	80 mm
Weight	31.0 kg	Length of flange diagonal (P)	244 mm
Ra	ted data	Shaft extension	Plain shaft

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SINAMICS S210, 3AC 400V

Rated speed	1500 rpm	
Rated torque	34.50 Nm	
Rated current	10.4 A	
Rated power	5.40 kW	

Encoder system

Encoder system

Encoder AS22DQC: Absolute encoder single turn 22 bit

Motor connection		
Connection type	OCC for S210	
Connector size	M23	

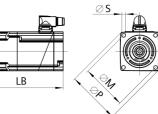


Figure similar





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Holding brake			
Holding torque	55.00 Nm		
Opening time	130 ms		
Closing time	35 ms		
Maximum single switching energy ¹⁾	8700.0 J		
Service life, operating energy	3800000 J		
Holding current	0.5 A		
Break-induced current for 500 ms ²⁾	1.5 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