SIEMENS

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data

1FK2106-3AF11-1MA0



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	High Dynamic	Shaft height	63
Static torque	9.00 Nm	Flange size (AB)	125 mm
Static current	9.2 A	Centering ring (N)	110 mm
Maximum torque	24.50 Nm	Hole circle (M)	130 mm
Maximum current	36.0 A	Screw-on hole (S)	9.0 mm
		Overall length (LB)	225 mm
Maximum speed	6000 rpm	Diameter of shaft (D)	24 mm
Rotor moment of inertia	6.300 kgcm ²	Length of shaft (E)	50 mm
Weight	9.0 kg	Length of flange diagonal (P)	158 mm
Ra	ited data	Shaft extension	Fitted key

SINAMICS S210, 3AC 400V

Rated speed	3000 rpm	
Rated torque	7.30 Nm	
Rated current	7.9 A	
Rated power	2.30 kW	

Encoder system

Encoder system

Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn

Motor connection			
Connection type	OCC for S210		
Connector size	M23		

Figure similar





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Holding brake			
Holding torque	13.00 Nm		
Opening time	70 ms		
Closing time	30 ms		
Maximum single switching energy ¹⁾	1550.0 J		
Service life, operating energy	774000 J		
Holding current	0.35 A		
Break-induced current for 500 ms ²⁾	1.1 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