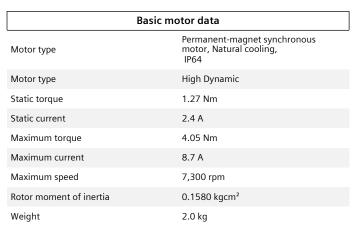
SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2103-4AG10-0MA0

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



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	Rated data				
S	SINAMICS S210, 1AC 230V				
	Rated speed	3,000 rpm			
	Rated torque	1.27 Nm			
	Rated current	2.4 A			
	Rated power	0.40 kW			

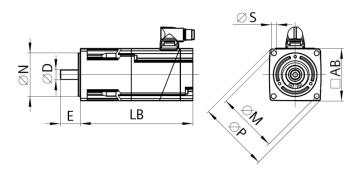
Encoder system				
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn			

Motor connection					
Connection type	OCC for S210				
Connector size	M12				



Item no. : Consignment no. : Project :

Mechanical data			
Design acc. to Code I	IM B5 (IM V1, IM V3)		
Vibration severity grade	Grade A		
Shaft height	30		
Flange size (AB)	60 mm		
Centering ring (N)	50 mm		
Hole circle (M)	70 mm		
Screw-on hole (S)	5.5 mm		
Overall length (LB)	155 mm		
Diameter of shaft (D)	14 mm		
Length of shaft (E)	30 mm		
Length of flange diagonal (P)	81 mm		
Shaft end	Plain shaft		
Color of the housing	Standard (Anthracite, similar to RAL 7016)		



Holding brake		
Holding torque	1.30 Nm	
Average dynamic torque	1.30 Nm	
Opening time	40 ms	
Closing time	30 ms	
Maximum single switching energy 1)	62 J	
Service life, operating energy	17,500 J	
Holding current ²⁾	0.15 A	
Break-induced current for 500 ms ²⁾	0.8 A	

 $^{^{1)}\}mbox{Up}$ to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

 $^{^{2)}} Typcial \ value for 20 ^{\circ} C$ ambient temperature. At -15 $^{\circ} C$ the break-induced currents can be increased by up to 30%.