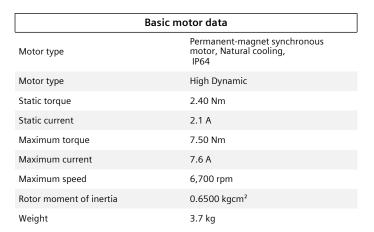


Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2104-5AF10-1MA0

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



	Rated data			
SINAMICS S210, 3AC 400V				
	Rated speed	3,000 rpm		
	Rated torque	2.40 Nm		
	Rated current	2.1 A		
	Rated power	0.75 kW		

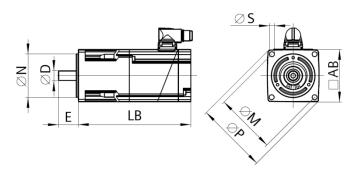
Encoder	system
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn

Motor connection			
Connection type	OCC for S210		
Connector size	M17		



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	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	
Shaft end	Fitted key	
Color of the housing	Standard (Anthracite, similar to RAL 7016)	



Holding brake		
Holding torque	3.30 Nm	
Average dynamic torque	3.30 Nm	
Opening time	50 ms	
Closing time	40 ms	
Maximum single switching energy 1)	270 J	
Service life, operating energy	120,000 J	
Holding current ²⁾	0.2 A	
Break-induced current for 500 ms ²⁾	1.2 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°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.