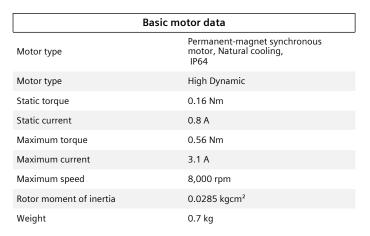
SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2102-0AG10-1SA0

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



	Rated data		
S	SINAMICS S210, 1AC 230V		
	Rated speed	3,000 rpm	
	Rated torque	0.16 Nm	
	Rated current	0.8 A	
	Rated power	0.05 kW	

Encoder system		
Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit	

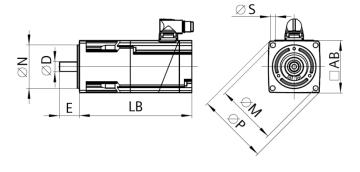
Motor connection			
Connection type	OCC for S210		
Connector size	M12		



Item no. : Consignment no. : Project :

ment no. :		

Mechanical data			
Design acc. to Code I	IM B5 (IM V1, IM V3)		
Vibration severity grade	Grade A		
Shaft height	20		
Flange size (AB)	40 mm		
Centering ring (N)	30 mm		
Hole circle (M)	46 mm		
Screw-on hole (S)	4.5 mm		
Overall length (LB)	121 mm		
Diameter of shaft (D)	8 mm		
Length of shaft (E)	25 mm		
Length of flange diagonal (P)	54 mm		
Shaft end	Fitted key		
Color of the housing	Standard (Anthracite, similar to RAL 7016)		



Holding brake		
Holding torque	0.32 Nm	
Average dynamic torque	0.32 Nm	
Opening time	25 ms	
Closing time	20 ms	
Maximum single switching energy 1)	7.4 J	
Service life, operating energy	1,750 J	
Holding current ²⁾	0.1 A	
Break-induced current for 500 ms ²⁾	0.6 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%.