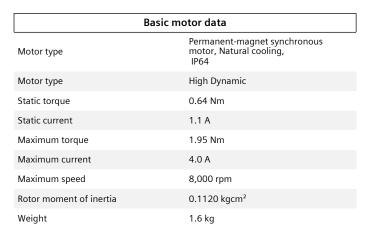
## **SIEMENS**

## **Data sheet for SIMOTICS S-1FK2**

Article No.: 1FK2103-2AH10-2MA0

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



L	Rated data					
S	SINAMICS S210, 3AC 400V					
	Rated speed	4,500 rpm				
	Rated torque	0.59 Nm				
	Rated current	1.1 A				
	Rated power	0.28 kW				

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

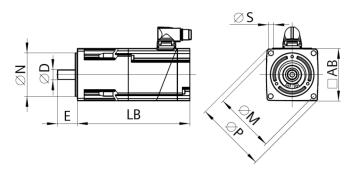
Motor connection		
Connection type	OCC for S210	
Connector size	M17	



Item no. : Consignment no. : Project :

		_	-		
		е			

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)	5.4 mm		
Overall length (LB)	131 mm		
Diameter of shaft (D)	11 mm		
Length of shaft (E)	23 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 <sup>2)</sup>	0.15 A		
Break-induced current for 500 ms <sup>2)</sup>	0.8 A		

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

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