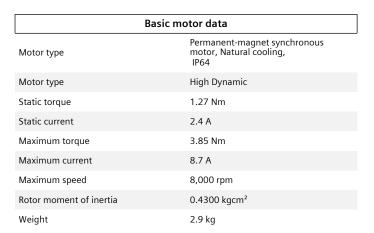
## **SIEMENS**

## Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2104-4AK10-2SA0

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



Rated data					
SI	SINAMICS S210, 3AC 400V				
	Rated speed	6,000 rpm			
	Rated torque	0.95 Nm			
	Rated current	1.9 A			
	Rated power	0.60 kW			

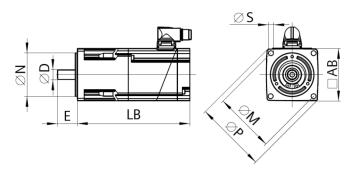
Encoder system			
Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit		

Motor connection			
Connection type	OCC for S210		
Connector size	M17		



Item no. : Consignment no. : Project :

Marshautal data			
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)	142 mm		
Diameter of shaft (D)	14 mm		
Length of shaft (E)	30 mm		
Length of flange diagonal (P)	105 mm		
Shaft end	Plain shaft		
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 <sup>2)</sup>	0.2 A	
Break-induced current for 500 ms <sup>2)</sup>	1.2 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°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.