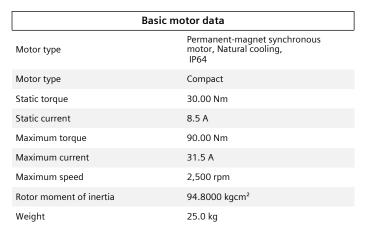


## Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2210-3AB10-1SB0

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



	Rated data				
S	SINAMICS S120, BLM/SLM 3AC 400V				
	Rated speed	1,500 rpm			
	Rated torque	28.50 Nm			
	Rated current	8.3 A			
	Rated power	4.50 kW			

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

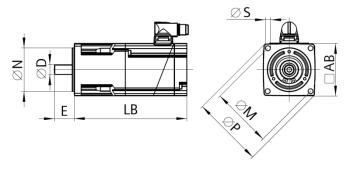
Motor connection		
Connection type	Double cable connection for S120	
Connector size	M23	



Item no. : Consignment no. : Project :

			Figu
t no. :			

Mecna	anical data		
Design acc. to Code I	IM B5 (IM V1, IM V3)		
Vibration severity grade	Grade A		
Shaft height	100		
Flange size (AB)	192 mm		
Centering ring (N)	180 mm		
Hole circle (M)	215 mm		
Screw-on hole (S)	14.0 mm		
Overall length (LB)	257 mm		
Diameter of shaft (D)	38 mm		
Length of shaft (E)	80 mm		
Length of flange diagonal (P)	244 mm		
Shaft end	Fitted key		
Color of the housing	Standard (Anthracite, similar to RAL 7016)		



Holding brake			
Holding torque	32.00 Nm		
Average dynamic torque	17.00 Nm		
Opening time	200 ms		
Closing time	60 ms		
Maximum single switching energy 1)	6,600 J		
Service life, operating energy	2,400,000 J		
Rated current <sup>2)</sup>	0.9 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>&</sup>lt;sup>2)</sup>Typcial value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.