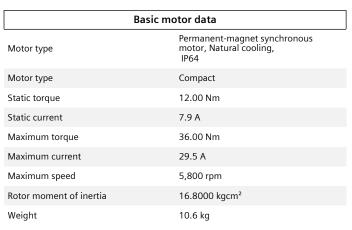
SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2206-4AF10-0MB0

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



	Rated data				
S	SINAMICS S120, BLM/SLM 3AC 400V				
	Rated speed	3,000 rpm			
	Rated torque	9.10 Nm			
	Rated current	6.2 A			
	Rated power	2.85 kW			

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

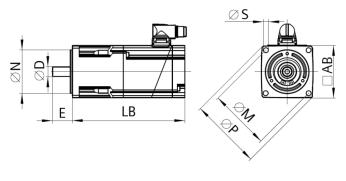
Motor connection			
Connection type	Double cable connection for S120		
Connector size	M23		



Item no. : Consignment no. : Project :

F			е	c		
		u	C	2		

Mechanical data				
Design acc. to Code I	IM B5 (IM V1, IM V3)			
Vibration severity grade	Grade A			
Shaft height	63			
Flange size (AB)	125 mm			
Centering ring (N)	110 mm			
Hole circle (M)	130 mm			
Screw-on hole (S)	9.0 mm			
Overall length (LB)	244 mm			
Diameter of shaft (D)	24 mm			
Length of shaft (E)	50 mm			
Length of flange diagonal (P)	158 mm			
Shaft end	Plain shaft			
Color of the housing	Standard (Anthracite, similar to RAL 7016)			



Holding brake		
Holding torque	13.00 Nm	
Average dynamic torque	6.50 Nm	
Opening time	100 ms	
Closing time	50 ms	
Maximum single switching energy 1)	1,550 J	
Service life, operating energy	774,000 J	
Rated current ²⁾	0.7 A	

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

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