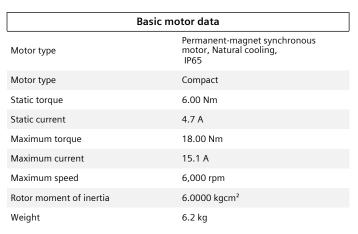
SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2205-4AF11-1MB0

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



	Rated data				
S	SINAMICS S120, BLM/SLM 3AC 400V				
	Rated speed	3,000 rpm			
	Rated torque	4.60 Nm			
	Rated current	3.8 A			
	Rated power	1.45 kW			

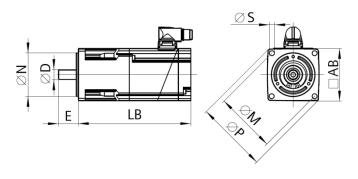
Encoder system			
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn		

Motor connection			
Connection type	Double cable connection for S120		
Connector size	M17		



Item no. : Consignment no. : Project :

Mechanical data			
Design acc. to Code I	IM B5 (IM V1, IM V3)		
Vibration severity grade	Grade A		
Shaft height	48		
Flange size (AB)	95 mm		
Centering ring (N)	80 mm		
Hole circle (M)	100 mm		
Screw-on hole (S)	6.5 mm		
Overall length (LB)	220 mm		
Diameter of shaft (D)	19 mm		
Length of shaft (E)	40 mm		
Length of flange diagonal (P)	120 mm		
Shaft end	Fitted key		
Color of the housing	Standard (Anthracite, similar to RAL 7016)		



Holding brake		
Holding torque	8.00 Nm	
Average dynamic torque	5.00 Nm	
Opening time	90 ms	
Closing time	25 ms	
Maximum single switching energy 1)	570 J	
Service life, operating energy	284,000 J	
Rated current 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.

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