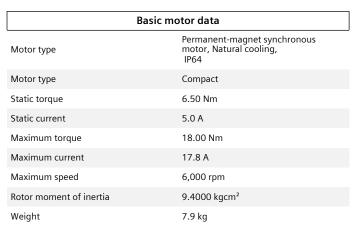


Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2206-2AF10-0MB0

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



	Rated data			
S	SINAMICS S120, BLM/SLM 3AC 400V			
	Rated speed	3,000 rpm		
	Rated torque	5.40 Nm		
	Rated current	4.4 A		
	Rated power	1.71 kW		

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

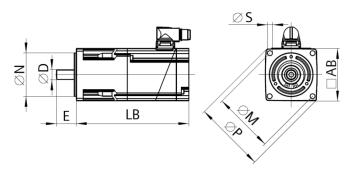
Motor connection	
Connection type	Double cable connection for S120
Connector size	M23



Item no. : Consignment no. : Project :

F	igu	ıre	sir	ni

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)	205 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.

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