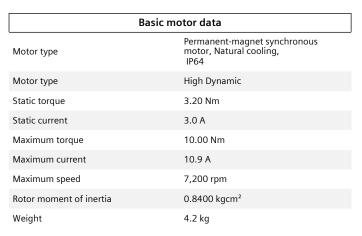


Data sheet for SIMOTICS S-1FK2

1FK2104-6AF10-0MB0 Article No.:

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



	Rated data					
S	SINAMICS S120, BLM/SLM 3AC 400V					
	Rated speed	3,000 rpm				
	Rated torque	3.20 Nm				
	Rated current	3.0 A				
	Rated power	1.00 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:

Length of shaft (E)

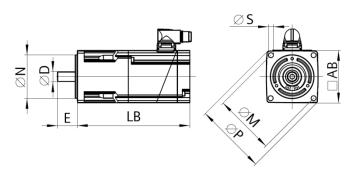
Length of flange diagonal (P)

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)	188 mm			
Diameter of shaft (D)	19 mm			

40 mm

105 mm

Shaft end Plain shaft Standard (Anthracite, similar to RAL 7016) Color of the housing



Holding brake		
Holding torque	3.30 Nm	
Average dynamic torque	3.30 Nm	
Opening time	110 ms	
Closing time	40 ms	
Maximum single switching energy 1)	270 J	
Service life, operating energy	35,000 J	
Rated current ²⁾	0.5 A	

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

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