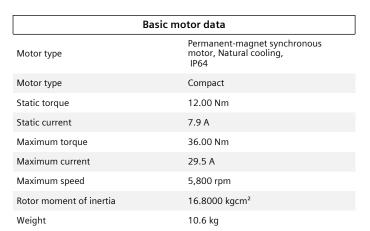
SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2206-4AF10-1SB0

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			

Enco	oder system
Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit

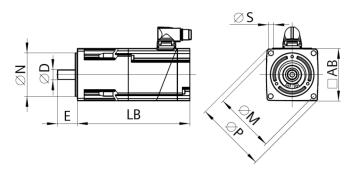
Motor connection				
Connection type	Double cable connection for S120			
Connector size	M23			



Item no. : Consignment no. : Project :

Figure simil						
Figure simil						

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	Fitted key				
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°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.