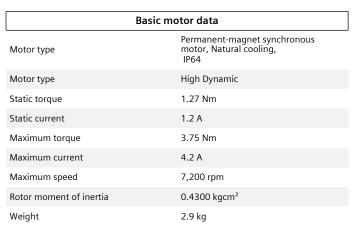
SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2104-4AF10-0MB0

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



	Rated data					
S	SINAMICS S120, BLM/SLM 3AC 400V					
	Rated speed	3,000 rpm				
	Rated torque	1.27 Nm				
	Rated current	1.2 A				
	Rated power	0.40 kW				

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

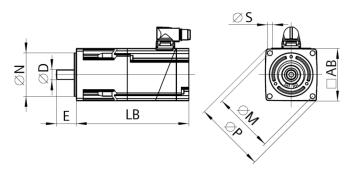
N	Motor connection					
Connection type	Double cable connection for S120					
Connector size	M17					



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	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)	142 mm				
Diameter of shaft (D)	19 mm				
Length of shaft (E)	40 mm				
Length of flange diagonal (P)	105 mm				
Shaft end	Plain shaft				
Color of the housing	Standard (Anthracite, similar to RAL 7016)				



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%.