## SIEMENS

Data sheet for SIMOTICS S-1FK2

## Article No. :

## 1FK2206-2AF10-1SB0



Figure similar

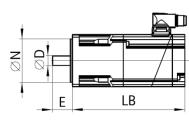
Client order no. : Order no. : Offer no. : Remarks :

Basic motor data		
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64	
Motor type	Compact	
Static torque	6.50 Nm	
Static current	5.0 A	
Maximum torque	18.00 Nm	
Maximum current	17.8 A	
Maximum speed	6,000 rpm	
Rotor moment of inertia	9.4000 kgcm <sup>2</sup>	
Weight	7.9 kg	
Rated data		

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	

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	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)

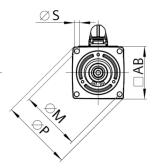
Mechanical data



Item no. :

Project :

Consignment no. :



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 <sup>1)</sup>	1,550 J	
Service life, operating energy	774,000 J	
Rated current <sup>2)</sup>	0.7 A	

<sup>1)</sup>Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

<sup>2)</sup>Typcial value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.

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

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