## SIEMENS

Data sheet for SIMOTICS S-1FK2

## Article No. :

## 1FK2206-2AF10-0MB0



Figure simila

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

Encoder system

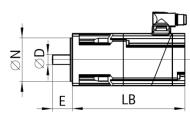
Basic motor data		
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64	
Motor type	Compact	
Static torque	6.50 Nm	
Static current	5.0 A	
Maximum torque	18.00 Nm	
Maximum current	17.8 A	
Maximum speed	6,000 rpm	
Rotor moment of inertia	9.4000 kgcm²	
Weight	7.9 kg	
Rated data		

SINAMICS S120, BLM/SLM 3AC 4	00V	
Rated speed	3,000 rpm	
Rated torque	5.40 Nm	
Rated current	4.4 A	
Rated power	1.71 kW	
Encoder system		

5	
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)

Mechanical data

IM B5 (IM V1, IM V3)

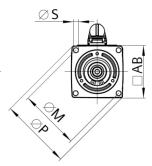


Item no. :

Project :

Consignment no. :

Design acc. to Code I



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>21</sup>Typcial value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.

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

Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn