SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No. :

1FK2306-2AC11-0SB0



Item no. :

Project :

Consignment no. :

Figure similar

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

Basic motor data		
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65	
Motor type	High Inertia	
Static torque	6.00 Nm	
Static current	2.8 A	
Maximum torque	18.00 Nm	
Maximum current	10.3 A	
Maximum speed	4,250 rpm	
Rotor moment of inertia	13.4000 kgcm²	
Weight	9.0 kg	
Rated data		

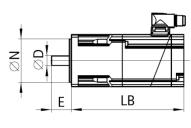
Rated speed	2,000 rpm	
Rated torque	5.50 Nm	
Rated current Rated power	2.8 A 1.15 kW	
	oder system	

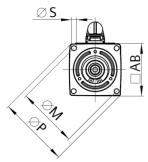
Encoder system

Encoder AS22DQC: Absolute encoder single turn 22 bit

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

Mecha	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)	242 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)		





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

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