SIEMENS

Data sheet for SIMOTICS S-1FK2

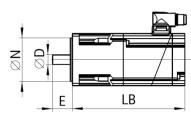
Article No. :

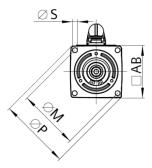
1FK2208-4AC10-0MB0



Item no. : Consignment no. : Project :

Mechanical data		
Design acc. to Code I	IM B5 (IM V1, IM V3)	
Vibration severity grade	Grade A	
Shaft height	80	
Flange size (AB)	155 mm	
Centering ring (N)	130 mm	
Hole circle (M)	165 mm	
Screw-on hole (S)	11.0 mm	
Overall length (LB)	256 mm	
Diameter of shaft (D)	32 mm	
Length of shaft (E)	58 mm	
Length of flange diagonal (P)	202 mm	
Shaft end	Plain shaft	
Color of the housing	Standard (Anthracite, similar to RAL 7016)	





Holding brake		
Holding torque	32.00 Nm	
Average dynamic torque	17.00 Nm	
Opening time	200 ms	
Closing time	60 ms	
Maximum single switching energy 1)	4,800 J	
Service life, operating energy	2,400,000 J	
Rated current ²⁾	0.9 A	

¹⁾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%.

Offer no. :		

Basic motor data		
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64	
Motor type	Compact	
Static torque	22.00 Nm	
Static current	11.7 A	
Maximum torque	66.00 Nm	
Maximum current	43.5 A	
Maximum speed	4,600 rpm	
Rotor moment of inertia	44.4000 kgcm²	
Weight	17.3 kg	
Rated data		

SINAMICS S120, BLM/SLM 3AC 40	VC	
Rated speed	2,000 rpm	
Rated torque	17.00 Nm	
Rated current	9.3 A	
Rated power	3.55 kW	
Encoder system		

Encoder system

Connector

Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn Motor connection

Connection type	Double cable connection for S120
Connector size	M23