

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data 1FK2208-5AC11-0SA0



Figure similar

Client order no. : Order no. : Offer no. : Remarks : Item no. : Consignment no. : Project :

Shaft extension

Basic motor data		
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65	
Motor type	Compact	
Static torque	27.00 Nm	
Static current	14.6 A	
Maximum torque	80.00 Nm	
Maximum current	51.5 A	
Maximum speed	4700 rpm	
Rotor moment of inertia	53.600 kgcm²	
Weight	19.3 kg	

Rated data	

SINAMICS S210, 3AC 400V

Rated speed	2000 rpm
Rated torque	19.10 Nm
Rated current	10.8 A
Rated power	4.00 kW

Encoder system

Encoder system Encoder AS22DQC: Absolute encoder single turn 22 bit

Motor connection		
Connection type	OCC for S210	
Connector size	M23	

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)	276 mm	
Diameter of shaft (D)	32 mm	
Length of shaft (E)	58 mm	
Length of flange diagonal (P)	202 mm	

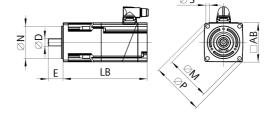


Figure similar

Plain shaft





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Figure similar

Holding brake		
Holding torque	32.00 Nm	
Opening time	120 ms	
Closing time	35 ms	
Maximum single switching energy 1)	4800.0 J	
Service life, operating energy	2400000 J	
Holding current	0.5 A	
Break-induced current for 500 ms ²⁾	1.4 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%.