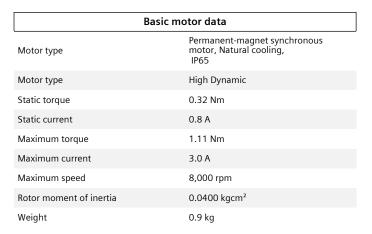
SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2102-1AG11-0SA0

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



	Rated data				
S	SINAMICS S210, 1AC 230V				
	Rated speed	3,000 rpm			
	Rated torque	0.32 Nm			
	Rated current	0.8 A			
	Rated power	0.10 kW			

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

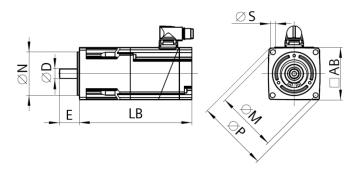
Motor connection				
Connection type	OCC for S210			
Connector size	M12			



Item no. : Consignment no. : Project :

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- 1			e					

Mechanical data						
Design acc. to Code I	IM B5 (IM V1, IM V3)					
Vibration severity grade	Grade A					
Shaft height	20					
Flange size (AB)	40 mm					
Centering ring (N)	30 mm					
Hole circle (M)	46 mm					
Screw-on hole (S)	4.5 mm					
Overall length (LB)	137 mm					
Diameter of shaft (D)	8 mm					
Length of shaft (E)	25 mm					
Length of flange diagonal (P)	54 mm					
Shaft end	Plain shaft					
Color of the housing	Standard (Anthracite, similar to RAL 7016)					



Holding brake				
Holding torque	0.32 Nm			
Average dynamic torque	0.32 Nm			
Opening time	25 ms			
Closing time	20 ms			
Maximum single switching energy 1)	7.4 J			
Service life, operating energy	1,750 J			
Holding current ²⁾	0.1 A			
Break-induced current for 500 ms ²⁾	0.6 A			

 $^{^{1)}\}mbox{Up}$ to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

 $^{^{2)}} Typcial \ value for 20 ^{\circ} C$ ambient temperature. At -15 $^{\circ} C$ the break-induced currents can be increased by up to 30%.