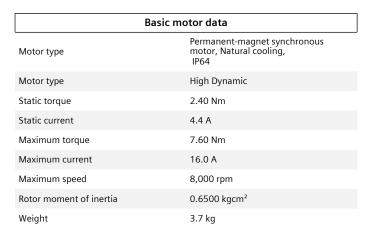


Data sheet for SIMOTICS S-1FK2

Article No.: 1FK2104-5AK10-1MA0

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



	Rated data		
SINAMICS S210, 3AC 400V			
	Rated speed	6,000 rpm	
	Rated torque	1.70 Nm	
	Rated current	3.2 A	
	Rated power	1.07 kW	

Encode	r system
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn

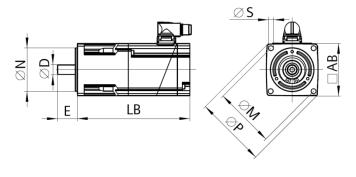
	Mot	or connection	
Conn	ection type	OCC for S210	
Conn	ector size	M17	



Item no. : Consignment no. : Project :

	Figure simil
--	--------------

Mechanical data			
Design acc. to Code I	IM B5 (IM V1, IM V3)		
Vibration severity grade	Grade A		
Shaft height	40		
Flange size (AB)	80 mm		
Centering ring (N)	70 mm		
Hole circle (M)	90 mm		
Screw-on hole (S)	6.5 mm		
Overall length (LB)	170 mm		
Diameter of shaft (D)	19 mm		
Length of shaft (E)	40 mm		
Length of flange diagonal (P)	105 mm		
Shaft end	Fitted key		
Color of the housing	Standard (Anthracite, similar to RAL 7016)		



Holding brake		
Holding torque	3.30 Nm	
Average dynamic torque	3.30 Nm	
Opening time	50 ms	
Closing time	40 ms	
Maximum single switching energy 1)	270 J	
Service life, operating energy	120,000 J	
Holding current ²⁾	0.2 A	
Break-induced current for 500 ms ²⁾	1.2 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°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.