SIEMENS

Data sheet for SIMOTICS S-1FT2

Article No.: 1FT2106-6AF11-1SA0

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

Basic motor data		
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65	
Motor type	High Dynamic	
Static torque	16.00 Nm	
Static current	14.3 A	
Maximum torque	45.50 Nm	
Maximum current	49.0 A	
Maximum speed	7,600 rpm	
Rotor moment of inertia	10.4000 kgcm²	
Weight	13.4 kg	

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

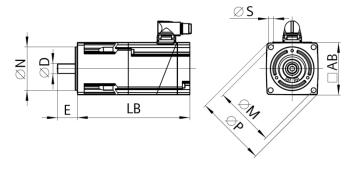
Motor connection		
Connection type	OCC for S210	
Connector size	M23	



Item no. : Consignment no. : Project :

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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)	283 mm	
Diameter of shaft (D)	24 mm	
Length of shaft (E)	50 mm	
Length of flange diagonal (P)	158 mm	
Shaft end	Fitted key	
Color of the housing	Standard (Anthracite, similar to RAL 7016)	



Holding brake	
Holding torque	16.00 Nm
Average dynamic torque	9.00 Nm
Opening time	70 ms
Closing time	35 ms
Maximum single switching energy 1)	1,065 J
Service life, operating energy	774,000 J
Holding current ²⁾	0.35 A
Break-induced current for 500 ms ²⁾	1.1 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%.