SIEMENS

Data sheet for SIMOTICS S-1FT2

Article No. : **1FT2210-3AF10-0MB0**



Figure similar

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

Item no. :
Consignment no. :
Project :

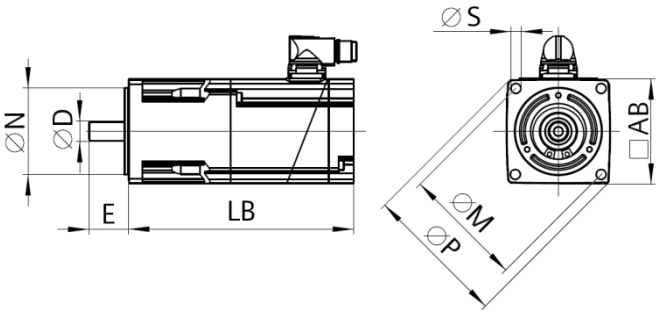
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	Compact
Static torque	30.00 Nm
Static current	19.8 A
Maximum torque	90.00 Nm
Maximum current	74.0 A
Maximum speed	5,000 rpm
Rotor moment of inertia	94.8000 kgcm²
Weight	25.0 kg

Rated data	
SINAMICS S120, BLM/SLM 3AC 400V	
Rated speed	3,000 rpm
Rated torque	18.50 Nm
Rated current	13.6 A
Rated power	5.80 kW

Encoder system	
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn
Safety Integrated - Suitable encoder	Yes

Motor connection	
Connection type	Double cable connection for S120
Connector size power connector	M40
Connector size signal connector	M17

Mechanical data	
Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	100
Flange size (AB)	192 mm
Centering ring (N)	180 mm
Hole circle (M)	215 mm
Screw-on hole (S)	14.0 mm
Overall length (LB)	257 mm
Diameter of shaft (D)	38 mm
Length of shaft (E)	80 mm
Length of flange diagonal (P)	244 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)]	6,600 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%.

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens