SIEMENS

Data sheet for SIMOTICS S-1FT2

Article No. : **1FT2108-4SC10-0MB0**



Figure similar

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

Item no. :
Consignment no. :
Project :

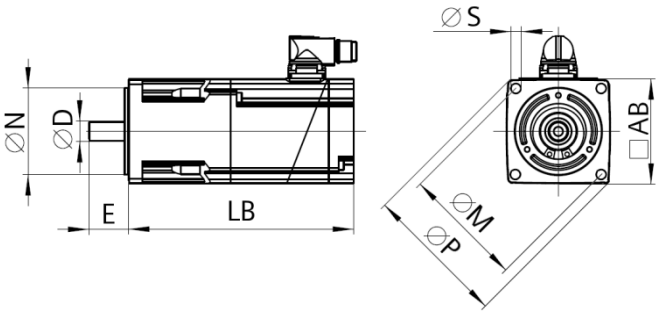
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Forced ventilation, IP64
Motor type	High Dynamic
Static torque	33.00 Nm
Static current	19.2 A
Maximum torque	87.00 Nm
Maximum current	77.0 A
Maximum speed	5,500 rpm
Rotor moment of inertia	22.3000 kgcm²
Weight	22.5 kg

Rated data	
SINAMICS S120, BLM/SLM 3AC 400V	
Rated speed	2,000 rpm
Rated torque	28.50 Nm
Rated current	17.4 A
Rated power	6.00 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	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)	380 mm
Diameter of shaft (D)	32 mm
Length of shaft (E)	58 mm
Length of flange diagonal (P)	194 mm
Shaft end	Plain shaft
Color of the housing	Standard (Anthracite, similar to RAL 7016)



Holding brake	
Holding torque	36.00 Nm
Average dynamic torque	15.00 Nm
Opening time	200 ms
Closing time	60 ms
Maximum single switching energy [1)]	1,300 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%.

Fan unit	
Operating voltage	24 V
Current	1.1 A
Plug	Standard M12, 5-pole, code A

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