SIEMENS

Data sheet for SIMOTICS S-1FT2

Article No. : **1FT2108-7AE11-1CB0**



Figure similar

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

Item no. :
Consignment no. :
Project :

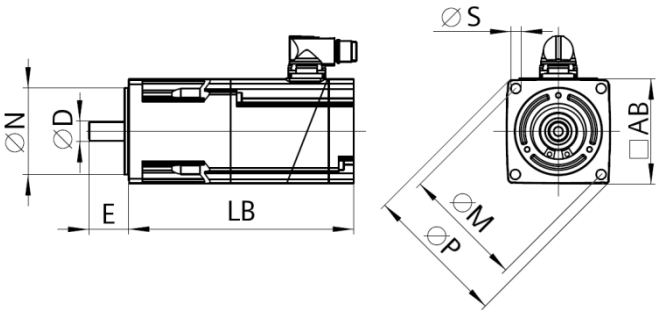
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65
Motor type	High Dynamic
Static torque	37.50 Nm
Static current	28.0 A
Maximum torque	140.00 Nm
Maximum current	155.0 A
Maximum speed	6,500 rpm
Rotor moment of inertia	32.2000 kgcm²
Weight	27.9 kg

Rated data	
SINAMICS S120, BLM/SLM 3AC 400V	
Rated speed	2,500 rpm
Rated torque	21.00 Nm
Rated current	17.0 A
Rated power	5.50 kW

Encoder system	
Encoder system	Encoder AM26DQC: Absolute encoder 26 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	

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)	340 mm
Diameter of shaft (D)	32 mm
Length of shaft (E)	58 mm
Length of flange diagonal (P)	194 mm
Shaft end	Fitted key
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%.

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