SIEMENS

Data sheet for SIMOTICS S-1FT2

Article No. : **1FT2208-3AF10-1SB0**



Figure similar

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

Item no. :
Consignment no. :
Project :

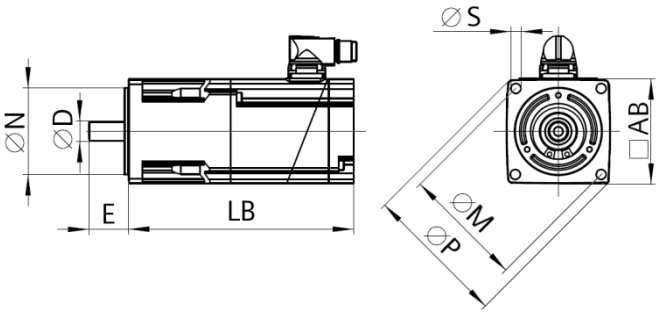
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	Compact
Static torque	18.00 Nm
Static current	11.9 A
Maximum torque	51.00 Nm
Maximum current	40.0 A
Maximum speed	5,600 rpm
Rotor moment of inertia	32.5000 kgcm²
Weight	14.6 kg

Rated data	
SINAMICS S120, BLM/SLM 3AC 400V	
Rated speed	3,000 rpm
Rated torque	11.10 Nm
Rated current	7.7 A
Rated power	3.50 kW

Encoder system	
Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit
Safety Integrated - Suitable encoder	Yes

Motor connection	
Connection type	Double cable connection for S120
Connector size power connector	M23
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)	236 mm
Diameter of shaft (D)	32 mm
Length of shaft (E)	58 mm
Length of flange diagonal (P)	200 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)



Holding brake	
Holding torque	19.00 Nm
Average dynamic torque	12.00 Nm
Opening time	100 ms
Closing time	40 ms
Maximum single switching energy [1)]	2,000 J
Service life, operating energy	1,800,000 J
Rated current[2)]	0.8 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