SIEMENS

Data sheet for SIMOTICS S-1FT2

Article No. : **1FT2108-5AC10-0MB0**



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	High Dynamic
Static torque	30.00 Nm
Static current	18.4 A
Maximum torque	105.00 Nm
Maximum current	96.0 A
Maximum speed	5,800 rpm
Rotor moment of inertia	25.6000 kgcm²
Weight	22.7 kg

Rated data

SINAMICS S120, BLM/SLM 3AC 400V

Rated speed	2,000 rpm
Rated torque	23.50 Nm
Rated current	15.2 A
Rated power	4.90 kW

Encoder system

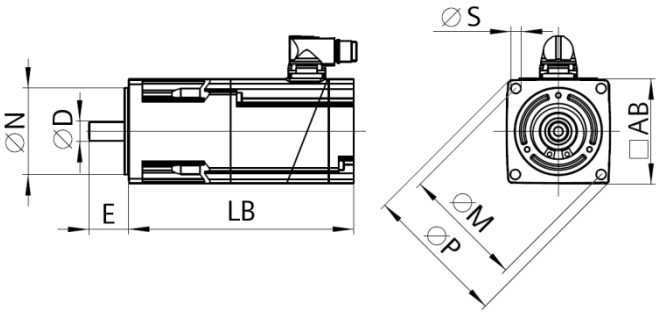
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn
Safety Integrated - Suitable encoder	Yes

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)	300 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%.

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