

## Data sheet for SIMOTICS S-1FT2

Article No. : 1FT2210-5AC11-0CB0



Figure similar

Client order no. :  
Order no. :  
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### Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65
Motor type	Compact
Static torque	50.00 Nm
Static current	22.5 A
Maximum torque	150.00 Nm
Maximum current	83.0 A
Maximum speed	4,000 rpm
Rotor moment of inertia	161.0000 kgcm <sup>2</sup>
Weight	36.0 kg

### Rated data

SINAMICS S120, BLM/SLM 3AC 400V

Rated speed	2,000 rpm
Rated torque	33.50 Nm
Rated current	15.8 A
Rated power	7.10 kW

### Encoder system

Encoder system	Encoder AM26DQC: Absolute encoder 26 bit + 12 bit multitrurn
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### Motor connection

Connection type	Double cable connection for S120
Connector size	M40

### 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)	307 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	55.00 Nm
Average dynamic torque	26.00 Nm
Opening time	220 ms
Closing time	80 ms
Maximum single switching energy <sup>1)</sup>	8,700 J
Service life, operating energy	3,800,000 J
Rated current <sup>2)</sup>	1 A

<sup>1)</sup> Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

<sup>2)</sup> Typical value for 20°C ambient temperature. At -15°C the brake-induced currents can be increased by up to 30%.