

Data sheet for SIMOTICS S-1FT2

Article No. : 1FT2208-3AF11-0CA0



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	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 kgcm ²
Weight	14.6 kg

Rated data

SINAMICS S210, 3AC 400V

Rated speed	3,000 rpm
Rated torque	11.10 Nm
Rated current	7.7 A
Rated power	3.50 kW

Encoder system

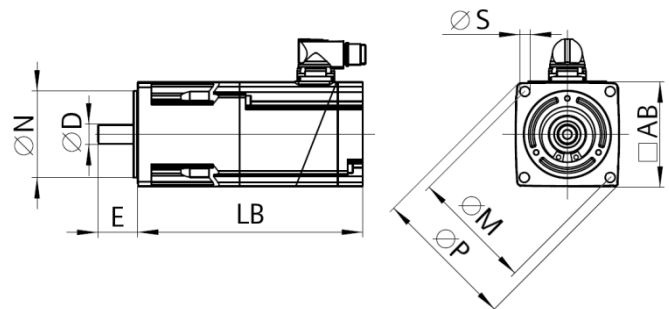
Encoder system	Encoder AM26DQC: Absolute encoder 26 bit + 12 bit multitrurn
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Motor connection

Connection type	OCC for S210
Connector size	M23

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	Plain shaft
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	70 ms
Closing time	35 ms
Maximum single switching energy ¹⁾	2,000 J
Service life, operating energy	1,800,000 J
Holding current ²⁾	0.4 A
Break-induced current for 500 ms ²⁾	1.2 A

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

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