

Article No. : 1FT2108-7AB10-1MB0



Figure similar

Client order no. :  
Order no. :  
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Remarks :

Item no. :  
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### Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	High Dynamic
Static torque	37.50 Nm
Static current	14.0 A
Maximum torque	140.00 Nm
Maximum current	78.0 A
Maximum speed	3,550 rpm
Rotor moment of inertia	32.2000 kgcm <sup>2</sup>
Weight	27.2 kg

### Rated data

SINAMICS S120, BLM/SLM 3AC 400V

Rated speed	1,500 rpm
Rated torque	30.00 Nm
Rated current	11.5 A
Rated power	4.70 kW

### Encoder system

Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn
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### Motor connection

Connection type	Double cable connection for S120
Connector size	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)	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 <sup>1)</sup>	1,300 J
Service life, operating energy	2,400,000 J
Rated current <sup>2)</sup>	0.9 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%.