

Article No. : 1FK2306-2AC10-1SB0



Figure similar

Client order no. :  
Order no. :  
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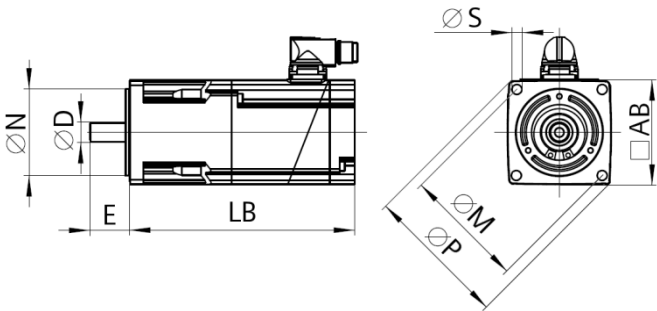
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	High Inertia
Static torque	6.00 Nm
Static current	2.8 A
Maximum torque	18.00 Nm
Maximum current	10.3 A
Maximum speed	4,250 rpm
Rotor moment of inertia	13.4000 kgcm <sup>2</sup>
Weight	9.0 kg

Rated data	
SINAMICS S120, BLM/SLM 3AC 400V	
Rated speed	2,000 rpm
Rated torque	5.50 Nm
Rated current	2.8 A
Rated power	1.15 kW

Encoder system	
Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit

Motor connection	
Connection type	Double cable connection for S120
Connector size	M23

Mechanical data	
Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	63
Flange size (AB)	125 mm
Centering ring (N)	110 mm
Hole circle (M)	130 mm
Screw-on hole (S)	9.0 mm
Overall length (LB)	242 mm
Diameter of shaft (D)	24 mm
Length of shaft (E)	50 mm
Length of flange diagonal (P)	158 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)



Holding brake	
Holding torque	13.00 Nm
Average dynamic torque	6.50 Nm
Opening time	100 ms
Closing time	50 ms
Maximum single switching energy <sup>1)</sup>	1,550 J
Service life, operating energy	774,000 J
Rated current <sup>2)</sup>	0.7 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 break-induced currents can be increased by up to 30%.