SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No. : **1FK2205-2AF00-0SB0**

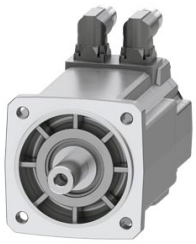


Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

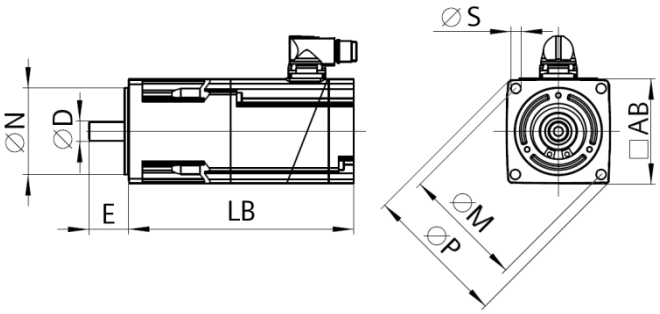
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	Compact
Static torque	3.60 Nm
Static current	2.9 A
Maximum torque	10.80 Nm
Maximum current	9.5 A
Maximum speed	6,000 rpm
Rotor moment of inertia	3.1500 kgcm²
Weight	3.8 kg

Rated data	
SINAMICS S120, BLM/SLM 3AC 400V	
Rated speed	3,000 rpm
Rated torque	3.00 Nm
Rated current	2.5 A
Rated power	0.94 kW

Encoder system	
Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit
Safety Integrated - Suitable encoder	Yes

Motor connection	
Connection type	Double cable connection for S120
Connector size power connector	M17
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	48
Flange size (AB)	95 mm
Centering ring (N)	80 mm
Hole circle (M)	100 mm
Screw-on hole (S)	6.5 mm
Overall length (LB)	145 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	40 mm
Length of flange diagonal (P)	120 mm
Shaft end	Plain shaft
Color of the housing	Standard (Anthracite, similar to RAL 7016)



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