

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2106-3AF00-1SB0



Figure similar

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

Item no. :  
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Project :

### Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	High Dynamic
Static torque	9.00 Nm
Static current	9.2 A
Maximum torque	26.00 Nm
Maximum current	43.0 A
Maximum speed	6,000 rpm
Rotor moment of inertia	4.6000 kgcm <sup>2</sup>
Weight	7.4 kg

### Rated data

SINAMICS S120, BLM/SLM 3AC 400V

Rated speed	3,000 rpm
Rated torque	7.30 Nm
Rated current	7.9 A
Rated power	2.30 kW

### Encoder system

Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit
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### 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)	174 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)

