

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2210-5AC00-1SB0



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	50.00 Nm
Static current	22.5 A
Maximum torque	150.00 Nm
Maximum current	83.0 A
Maximum speed	4,000 rpm
Rotor moment of inertia	145.0000 kgcm <sup>2</sup>
Weight	32.0 kg

### Rated data

SINAMICS S120, BLM/SLM 3AC 400V

Rated speed	2,000 rpm
Rated torque	33.50 Nm
Rated current	15.8 A
Rated power	7.10 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	M40

### Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	100
Flange size (AB)	192 mm
Centering ring (N)	180 mm
Hole circle (M)	215 mm
Screw-on hole (S)	14.0 mm
Overall length (LB)	248 mm
Diameter of shaft (D)	38 mm
Length of shaft (E)	80 mm
Length of flange diagonal (P)	244 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)

