

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2308-3AB00-0SB0



Figure similar

Client order no. :  
Order no. :  
Offer no. :  
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Item no. :  
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### Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	High Inertia
Static torque	18.00 Nm
Static current	6.2 A
Maximum torque	51.00 Nm
Maximum current	20.5 A
Maximum speed	3,000 rpm
Rotor moment of inertia	60.1000 kgcm <sup>2</sup>
Weight	16.2 kg

### Rated data

SINAMICS S120, BLM/SLM 3AC 400V

Rated speed	1,500 rpm
Rated torque	16.00 Nm
Rated current	5.7 A
Rated power	2.50 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	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)	236 mm
Diameter of shaft (D)	32 mm
Length of shaft (E)	58 mm
Length of flange diagonal (P)	200 mm
Shaft end	Plain shaft
Color of the housing	Standard (Anthracite, similar to RAL 7016)

