

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2203-2AG00-2SA0



Figure similar

Client order no. :  
Order 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	Compact
Static torque	0.64 Nm
Static current	1.4 A
Maximum torque	1.85 Nm
Maximum current	4.2 A
Maximum speed	8,000 rpm
Rotor moment of inertia	0.2000 kgcm <sup>2</sup>
Weight	1.1 kg

### Rated data

SINAMICS S210, 1AC 230V

Rated speed	3,000 rpm
Rated torque	0.64 Nm
Rated current	1.4 A
Rated power	0.20 kW

### Encoder system

Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit
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### Motor connection

Connection type	OCC for S210
Connector size	M12

### Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	30
Flange size (AB)	60 mm
Centering ring (N)	50 mm
Hole circle (M)	70 mm
Screw-on hole (S)	5.5 mm
Overall length (LB)	99 mm
Diameter of shaft (D)	11 mm
Length of shaft (E)	23 mm
Length of flange diagonal (P)	81 mm
Shaft end	Plain shaft
Color of the housing	Standard (Anthracite, similar to RAL 7016)

