

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2105-6AF00-1MA0



Figure similar

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

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	High Dynamic
Static torque	8.00 Nm
Static current	6.7 A
Maximum torque	24.00 Nm
Maximum current	24.0 A
Maximum speed	6,000 rpm
Rotor moment of inertia	2.6500 kgcm <sup>2</sup>
Weight	7.7 kg

### Rated data

SINAMICS S210, 3AC 400V

Rated speed	3,000 rpm
Rated torque	6.60 Nm
Rated current	5.6 A
Rated power	2.10 kW

### Encoder system

Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn
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### Motor connection

Connection type	OCC for S210
Connector size	M17

### Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	52
Flange size (AB)	105 mm
Centering ring (N)	95 mm
Hole circle (M)	115 mm
Screw-on hole (S)	9.0 mm
Overall length (LB)	215 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	40 mm
Length of flange diagonal (P)	135 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)

