

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2102-0AG01-1MA0



Figure similar

Client order no. :  
Order no. :  
Offer no. :  
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Item no. :  
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Project :

### Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65
Motor type	High Dynamic
Static torque	0.16 Nm
Static current	0.8 A
Maximum torque	0.56 Nm
Maximum current	3.1 A
Maximum speed	8,000 rpm
Rotor moment of inertia	0.0245 kgcm <sup>2</sup>
Weight	0.5 kg

### Rated data

SINAMICS S210, 1AC 230V

Rated speed	3,000 rpm
Rated torque	0.16 Nm
Rated current	0.8 A
Rated power	0.05 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	M12

### Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	20
Flange size (AB)	40 mm
Centering ring (N)	30 mm
Hole circle (M)	46 mm
Screw-on hole (S)	4.5 mm
Overall length (LB)	90 mm
Diameter of shaft (D)	8 mm
Length of shaft (E)	25 mm
Length of flange diagonal (P)	54 mm
Shaft extension	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)

