

## Data sheet for SIMOTICS S-1FK2



Figure similar

### MLFB-Ordering data

1FK2208-3AC11-1SA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Basic motor data		Mechanical data	
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65	Design acc. to Code I	IM B5 (IM V1, IM V3)
Motor type	Compact	Vibration severity grade	Grade A
Static torque	18.00 Nm	Shaft height	80
Static current	8.4 A	Flange size (AB)	155 mm
Maximum torque	51.00 Nm	Centering ring (N)	130 mm
Maximum current	29.5 A	Hole circle (M)	165 mm
Maximum speed	4100 rpm	Screw-on hole (S)	11.0 mm
Rotor moment of inertia	33.000 kgcm <sup>2</sup>	Overall length (LB)	236 mm
Weight	14.6 kg	Diameter of shaft (D)	32 mm
		Length of shaft (E)	58 mm
		Length of flange diagonal (P)	200 mm
		Shaft extension	Fitted key

### Rated data

SINAMICS S210, 3AC 400V

Rated speed	2000 rpm
Rated torque	14.50 Nm
Rated current	7.0 A
Rated power	3.05 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	M23

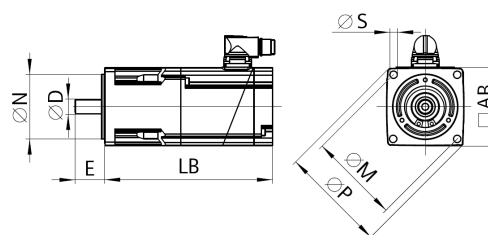


Figure similar

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Figure similar

Holding brake	
Holding torque	19.00 Nm
Opening time	70 ms
Closing time	20 ms
Maximum single switching energy <sup>1)</sup>	2000.0 J
Service life, operating energy	1800000 J
Holding current	0.4 A
Break-induced current for 500 ms <sup>2)</sup>	1.2 A

<sup>1)</sup> Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

<sup>2)</sup> Typical value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.