

## Data sheet for SIMOTICS S-1FK2



Figure similar

### MLFB-Ordering data

1FK2208-4AC10-0SA0

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, IP64	Design acc. to Code I	IM B5 (IM V1, IM V3)
Motor type	Compact	Vibration severity grade	Grade A
Static torque	22.00 Nm	Shaft height	80
Static current	11.7 A	Flange size (AB)	155 mm
Maximum torque	66.00 Nm	Centering ring (N)	130 mm
Maximum current	43.5 A	Hole circle (M)	165 mm
Maximum speed	4600 rpm	Screw-on hole (S)	11.0 mm
Rotor moment of inertia	44.400 kgcm <sup>2</sup>	Overall length (LB)	256 mm
Weight	17.3 kg	Diameter of shaft (D)	32 mm
		Length of shaft (E)	58 mm
		Length of flange diagonal (P)	202 mm
		Shaft extension	Plain shaft

### Rated data

SINAMICS S210, 3AC 400V

Rated speed	2000 rpm
Rated torque	17.00 Nm
Rated current	9.3 A
Rated power	3.55 kW

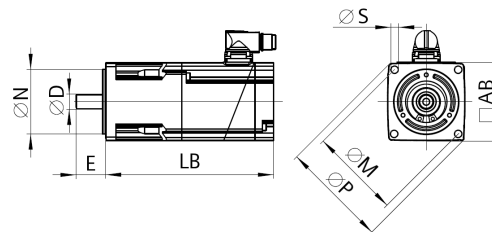


Figure similar

### 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

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Figure similar

Holding brake	
Holding torque	32.00 Nm
Opening time	120 ms
Closing time	35 ms
Maximum single switching energy <sup>1)</sup>	4800.0 J
Service life, operating energy	2400000 J
Holding current	0.5 A
Break-induced current for 500 ms <sup>2)</sup>	1.4 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%.