

## Data sheet for SIMOTICS S-1FK2



Figure similar

### MLFB-Ordering data

1FK2102-1AG11-0SA0

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, IP65	Design acc. to Code I	IM B5 (IM V1, IM V3)
Motor type	High Dynamic	Vibration severity grade	Grade A
Static torque	0.32 Nm	Shaft height	20
Static current	0.8 A	Flange size (AB)	40 mm
Maximum torque	1.11 Nm	Centering ring (N)	30 mm
Maximum current	3.0 A	Hole circle (M)	46 mm
Maximum speed	8000 rpm	Screw-on hole (S)	4.5 mm
Rotor moment of inertia	0.040 kgcm <sup>2</sup>	Overall length (LB)	137 mm
Weight	0.9 kg	Diameter of shaft (D)	8 mm
		Length of shaft (E)	25 mm
		Length of flange diagonal (P)	54 mm
		Shaft extension	Plain shaft

### Rated data

SINAMICS S210, 1AC 230V

Rated speed	3000 rpm
Rated torque	0.32 Nm
Rated current	0.8 A
Rated power	0.10 kW

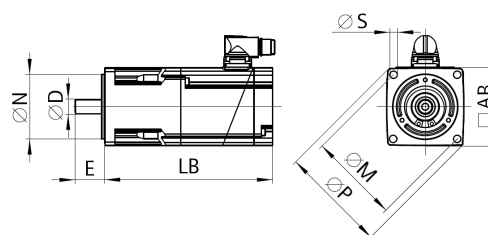


Figure similar

### Encoder system

Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit
----------------	--

### Motor connection

Connection type	OCC for S210
Connector size	M12

1FK2102-1AG11-0SA0

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