

Data sheet for SIMOTICS S-1FK2

MLFB-Ordering data

1FK2104-5AF10-0SA0



Figure similar

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	High Dynamic	Vibration severity grade	Grade A
Static torque	2.40 Nm	Shaft height	40
Static current	2.1 A	Flange size (AB)	80 mm
Maximum torque	7.50 Nm	Centering ring (N)	70 mm
Maximum current	7.6 A	Hole circle (M)	90 mm
Maximum speed	6700 rpm	Screw-on hole (S)	6.5 mm
Rotor moment of inertia	0.00006500 kgm ²	Overall length (LB)	170 mm
Weight	3.7 kg	Diameter of shaft (D)	19 mm
		Length of shaft (E)	40 mm
		Length of flange diagonal (P)	105 mm
		Shaft extension	Plain shaft
		Color of the housing	Standard (Anthracite, similar to RAL 7016)

Rated data

SINAMICS S210, 3AC 400V

Rated speed	3000 rpm
Rated torque	2.40 Nm
Rated current	2.1 A
Rated power	0.75 kW

Encoder system

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

Motor connection

Connection type	OCC for S210
Connector size	M17

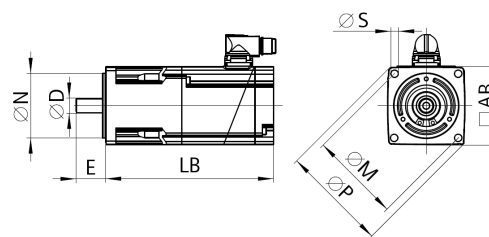


Figure similar



Figure similar

MLFB-Ordering data

1FK2104-5AF10-0SA0

Holding brake

Holding torque 3.30 Nm

Opening time 50 ms

Closing time 15 ms

Maximum single switching energy ¹⁾ 270.0 J

Service life, operating energy 120000 J

Holding current 0.2 A

Break-induced current for 500 ms ²⁾ 1.2 A

¹⁾ Up to three consecutive emergency stops and up to 25% of all emergency stops as a W_{max} high energy stop possible.

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