

## **Data sheet for SIMOTICS S-1FK2**

MLFB-Ordering data 1FK2205-2AF11-1SA0



Figure similar

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

Shaft extension

Basic motor data			
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65		
Motor type	Compact		
Static torque	3.60 Nm		
Static current	2.9 A		
Maximum torque	10.80 Nm		
Maximum current	9.5 A		
Maximum speed	6000 rpm		
Rotor moment of inertia	4.050 kgcm²		
Weight	4.8 kg		

## SINAMICS S210, 3AC 400V

Rated speed	3000 rpm
Rated torque	3.00 Nm
Rated current	2.5 A
Rated power	0.94 kW

## **Encoder system**

Encoder system Encoder AS22DQC: Absolute encoder single turn 22 bit

Motor connection		
Connection type	OCC for S210	
Connector size	M17	

Mechanical data			
Design acc. to Code I	IM B5 (IM V1, IM V3)		
Vibration severity grade	Grade A		
Shaft height	48		
Flange size (AB)	95 mm		
Centering ring (N)	80 mm		
Hole circle (M)	100 mm		
Screw-on hole (S)	6.5 mm		
Overall length (LB)	188 mm		
Diameter of shaft (D)	19 mm		
Length of shaft (E)	40 mm		
Length of flange diagonal (P)	120 mm		

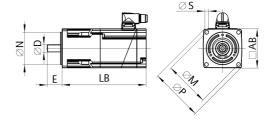


Figure similar

Fitted key





## **MLFB-Ordering data**

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Figure similar

Holding brake			
Holding torque	8.00 Nm		
Opening time	35 ms		
Closing time	15 ms		
Maximum single switching energy 1)	570.0 J		
Service life, operating energy	284000 J		
Holding current	0.3 A		
Break-induced current for 500 ms <sup>2)</sup>	1.1 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.

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