

Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2104-6AF00-1MA0

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Figure similar

Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	High Dynamic
Static torque	3.20 Nm
Static current	3.0 A
Maximum torque	10.00 Nm
Maximum current	10.9 A
Maximum speed	7,200 rpm
Rotor moment of inertia	0.7600 kgcm ²
Weight	3.4 kg

Rated data

SINAMICS S210, 3AC 400V

Rated speed	3,000 rpm
Rated torque	3.20 Nm
Rated current	3.0 A
Rated power	1.00 kW

Encoder system

Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn
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Motor connection

Connection type	OCC for S210
Connector size OCC	M17

Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	40
Flange size (AB)	80 mm
Centering ring (N)	70 mm
Hole circle (M)	90 mm
Screw-on hole (S)	6.5 mm
Overall length (LB)	144 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	40 mm
Length of flange diagonal (P)	105 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)



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