

Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2106-4AF01-1SA0



Figure similar

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

Item no. :
Consignment no. :
Project :

Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP65
Motor type	High Dynamic
Static torque	12.00 Nm
Static current	10.7 A
Maximum torque	33.00 Nm
Maximum current	42.0 A
Maximum speed	6,000 rpm
Rotor moment of inertia	6.0000 kgcm ²
Weight	9.0 kg

Rated data

SINAMICS S210, 3AC 400V

Rated speed	3,000 rpm
Rated torque	8.60 Nm
Rated current	8.1 A
Rated power	2.70 kW

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

Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	63
Flange size (AB)	125 mm
Centering ring (N)	110 mm
Hole circle (M)	130 mm
Screw-on hole (S)	9.0 mm
Overall length (LB)	193 mm
Diameter of shaft (D)	24 mm
Length of shaft (E)	50 mm
Length of flange diagonal (P)	158 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)

