SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No. : **1FK2102-1AG00-0SA0**



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, IP64
Motor type	High Dynamic
Static torque	0.32 Nm
Static current	0.8 A
Maximum torque	1.11 Nm
Maximum current	3.0 A
Maximum speed	8,000 rpm
Rotor moment of inertia	0.0360 kgcm²
Weight	0.6 kg

Rated data	
SINAMICS S210, 1AC 230V	
Rated speed	3,000 rpm
Rated torque	0.32 Nm
Rated current	0.8 A
Rated power	0.10 kW

Encoder system	
Encoder system	Encoder AS22DQC: Absolute encoder single turn 22 bit
Safety Integrated - Suitable encoder	Yes

Motor connection	
Connection type	OCC for S210
Connector size OCC	M12

Mechanical data	
Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	20
Flange size (AB)	40 mm
Centering ring (N)	30 mm
Hole circle (M)	46 mm
Screw-on hole (S)	4.5 mm
Overall length (LB)	106 mm
Diameter of shaft (D)	8 mm
Length of shaft (E)	25 mm
Length of flange diagonal (P)	54 mm
Shaft end	Plain shaft
Color of the housing	Standard (Anthracite, similar to RAL 7016)

