SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No. : **1FK2102-0AG00-1MA0**



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	0.16 Nm
Static current	0.8 A
Maximum torque	0.56 Nm
Maximum current	3.1 A
Maximum speed	8,000 rpm
Rotor moment of inertia	0.0245 kgcm²
Weight	0.5 kg

Rated data	
SINAMICS S210, 1AC 230V	
Rated speed	3,000 rpm
Rated torque	0.16 Nm
Rated current	0.8 A
Rated power	0.05 kW

Encoder system	
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn
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)	90 mm
Diameter of shaft (D)	8 mm
Length of shaft (E)	25 mm
Length of flange diagonal (P)	54 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)

