

Data sheet for SIMOTICS S-1FT2

Article No. : 1FT2105-4AF02-1SA0



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, IP67
Motor type	High Dynamic
Static torque	5.00 Nm
Static current	4.7 A
Maximum torque	15.00 Nm
Maximum current	18.0 A
Maximum speed	7,400 rpm
Rotor moment of inertia	1.7100 kgcm ²
Weight	5.6 kg

Rated data

SINAMICS S210, 3AC 400V

Rated speed	3,000 rpm
Rated torque	4.60 Nm
Rated current	4.4 A
Rated power	1.45 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	M17

Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	52
Flange size (AB)	105 mm
Centering ring (N)	95 mm
Hole circle (M)	115 mm
Screw-on hole (S)	9.0 mm
Overall length (LB)	173 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	40 mm
Length of flange diagonal (P)	135 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)

