

Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2304-2AF01-1MB0



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

Item no. :
Consignment no. :
Project :

Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling
Motor type	High Inertia
Static torque	1.45 Nm
Static current	1.30 A
Maximum torque	4.45 Nm
Maximum current	4.20 A
Maximum speed	4,000 rpm
Rotor moment of inertia	2.6900 kgcm ²
Weight	3.50 kg

Rated data

SINAMICS S200, 3 AC 380 ... 480 V

Rated speed	3,000 rpm
Rated torque	1.27 Nm
Rated current	1.20 A
Rated power	0.40 kW

Encoder system

Encoder system	Absolute encoder 21-bit singleturn + 12-bit multiturn
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Motor connection

Connection type	Metal angular connector
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Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	45
Flange size (AB)	90 mm
Centering ring (N)	80 mm
Hole circle (M)	100 mm
Screw-on hole (S)	6.7 mm
Overall length (LB)	157 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	35 mm
Length of flange diagonal (P)	116 mm
Shaft end	Shaft with parallel key (half-key balancing)
Color of the housing	Anthracite RAL 7016

