SIEMENS

Data sheet for SIMOTICS S-1FL2

Article No. : **1FL2104-2AG11-1MC0**

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

Item no. :
Consignment no. :
Project :

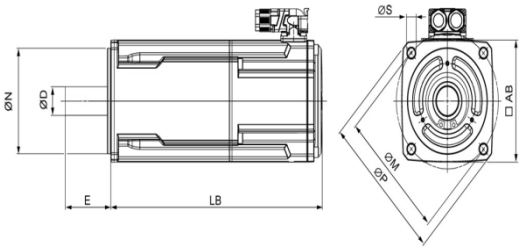
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling
Motor type	Low Inertia
Static torque	2.40 Nm
Static current	4.40 A
Maximum torque	8.00 Nm
Maximum current	16.00 A
Maximum speed	6,500 rpm
Rotor moment of inertia	0.5800 kgcm²
Weight	3.50 kg

Rated data	
SINAMICS S200, 1/3 AC 200 ... 240 V	
Rated speed	3,000 rpm
Rated torque	2.40 Nm
Rated current	4.40 A
Rated power	0.75 kW

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

Motor connection	
Connection type	Metal hybrid connector

Mechanical data	
Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	40
Flange size (AB)	81 mm
Centering ring (N)	70 mm
Hole circle (M)	90 mm
Screw-on hole (S)	6.6 mm
Overall length (LB)	168.6 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	40 mm
Length of flange diagonal (P)	104.9 mm
Shaft end	Shaft with parallel key (half-key balancing)
Color of the housing	Anthracite RAL 7016



Holding brake	
Rated voltage	24 V DC 10 %
Rated current	0.60 A
Holding torque M_{4Br}	3.30 Nm
Opening time	100 ms
Closing time	15 ms