SIEMENS

Data sheet for SIMOTICS S-1FL2

Article No. : **1FL2105-4AF11-0MB0**

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

Item no. :
Consignment no. :
Project :

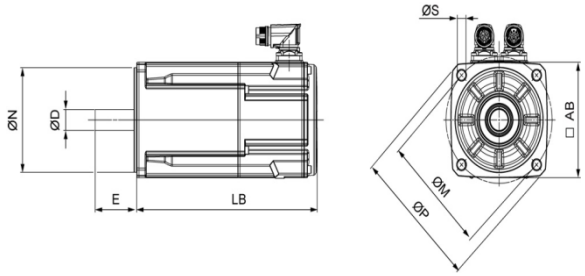
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling
Motor type	Low Inertia
Static torque	8.00 Nm
Static current	6.70 A
Maximum torque	25.30 Nm
Maximum current	24.00 A
Maximum speed	6,000 rpm
Rotor moment of inertia	3.4800 kgcm²
Weight	8.70 kg

Rated data	
SINAMICS S200, 3 AC 380 ... 480 V	
Rated speed	3,000 rpm
Rated torque	6.60 Nm
Rated current	5.60 A
Rated power	2.10 kW

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

Motor connection	
Connection type	Metal angular connector

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)	237.7 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	45 mm
Length of flange diagonal (P)	135 mm
Shaft end	Plain shaft
Color of the housing	Anthracite RAL 7016



Holding brake	
Rated voltage	24 V DC 10 %
Rated current	0.57 A
Holding torque M_{4Br}	8.00 Nm
Opening time	90 ms
Closing time	25 ms