SIEMENS

Data sheet for SIMOTICS S-1FL2

Article No. : **1FL2310-2AC11-1HB0**

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

Item no. :
Consignment no. :
Project :

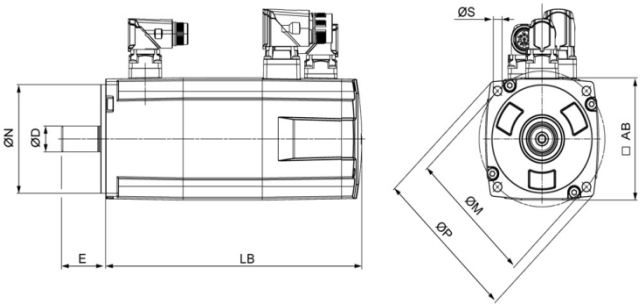
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling
Motor type	High Inertia
Static torque	18.10 Nm
Static current	11.00 A
Maximum torque	55.00 Nm
Maximum current	36.20 A
Maximum speed	3,000 rpm
Rotor moment of inertia	78.4700 kgcm²
Weight	25.40 kg

Rated data	
SINAMICS S200, 3 AC 380 ... 480 V	
Rated speed	2,000 rpm
Rated torque	16.70 Nm
Rated current	11.00 A
Rated power	3.50 kW

Encoder system	
Encoder system	Absolute encoder singleturn 17 bit

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	90
Flange size (AB)	180 mm
Centering ring (N)	114.3 mm
Hole circle (M)	200 mm
Screw-on hole (S)	13.5 mm
Overall length (LB)	281 mm
Diameter of shaft (D)	35 mm
Length of shaft (E)	80 mm
Length of flange diagonal (P)	228 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	1.90 A
Holding torque M_{4Br}	30.00 Nm
Opening time	220 ms
Closing time	115 ms

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens