SIEMENS

Data sheet for SIMOTICS S-1FL2

Article No. : **1FL2310-0AC01-0MB0**

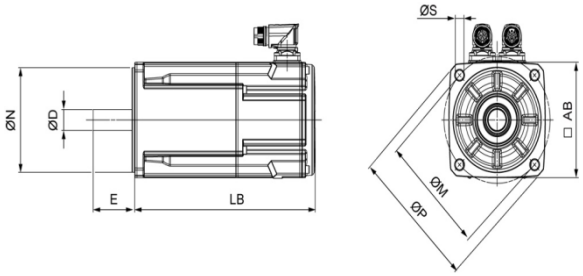
Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling
Motor type	High Inertia
Static torque	12.60 Nm
Static current	7.80 A
Maximum torque	37.50 Nm
Maximum current	25.20 A
Maximum speed	3,000 rpm
Rotor moment of inertia	47.4090 kgcm²
Weight	15.40 kg

Rated data	
SINAMICS S200, 3 AC 380 ... 480 V	
Rated speed	2,000 rpm
Rated torque	11.90 Nm
Rated current	7.80 A
Rated power	2.50 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	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)	189.5 mm
Diameter of shaft (D)	35 mm
Length of shaft (E)	80 mm
Length of flange diagonal (P)	228 mm
Shaft end	Plain shaft
Color of the housing	Anthracite RAL 7016