SIEMENS

Data sheet for SIMOTICS S-1FL2

Article No. : **1FL2102-2AG00-1MC0**

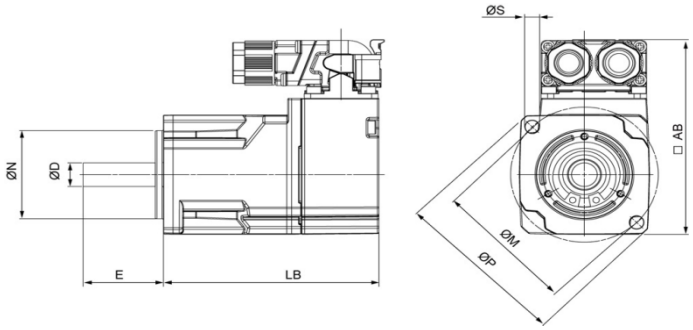
Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling
Motor type	Low Inertia
Static torque	0.16 Nm
Static current	0.81 A
Maximum torque	0.56 Nm
Maximum current	3.10 A
Maximum speed	6,500 rpm
Rotor moment of inertia	0.0170 kgcm²
Weight	0.29 kg

Rated data	
SINAMICS S200, 1/3 AC 200 ... 240 V	
Rated speed	3,000 rpm
Rated torque	0.16 Nm
Rated current	0.81 A
Rated power	0.05 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	20
Flange size (AB)	40.6 mm
Centering ring (N)	30 mm
Hole circle (M)	46 mm
Screw-on hole (S)	4.4 mm
Overall length (LB)	67.2 mm
Diameter of shaft (D)	8 mm
Length of shaft (E)	25 mm
Length of flange diagonal (P)	54 mm
Shaft end	Shaft with parallel key (half-key balancing)
Color of the housing	Anthracite RAL 7016