SIEMENS

Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2102-2AF10-1SC0

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

Item no. :
Consignment no. :
Project :

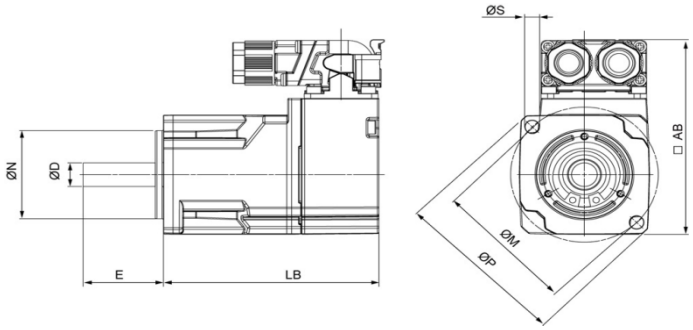
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling
Motor type	Low Inertia
Static torque	0.16 Nm
Static current	0.84 A
Maximum torque	0.56 Nm
Maximum current	3.40 A
Maximum speed	6,500 rpm
Rotor moment of inertia	0.0220 kgcm²
Weight	0.45 kg

Rated data	
SINAMICS S200, 3 AC 380 ... 480 V	
Rated speed	3,000 rpm
Rated torque	0.16 Nm
Rated current	0.84 A
Rated power	0.05 kW

Encoder system	
Encoder system	Absolute encoder singleturn 21 bit

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)	96.9 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



Holding brake	
Rated voltage	24 V DC 10 %
Rated current	0.25 A
Holding torque M_{4Br}	0.32 Nm
Opening time	35 ms
Closing time	10 ms