

## Data sheet for SIMOTICS S-1FS2

Article No. : 1FS2105-6AF07-0MZO  
Q1X



Figure similar

Client order no. :  
Order no. :  
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### Basic motor data

Motor type	Permanent-magnet synchronous motor, Natural cooling, IP66/67 IP69K
Static torque	7.60 Nm
Static current	6.20 A
Maximum torque	24.00 Nm
Maximum current	24.0 A
Maximum speed	6,000 rpm
Rotor moment of inertia	2.7500 kgcm <sup>2</sup>
Weight	13.3 kg

### Rated data

SINAMICS S210, 3AC 400V

Rated speed	3,000 rpm
Rated torque	4.10 Nm
Rated current	3.7 A
Rated power	1.29 kW

### Encoder system

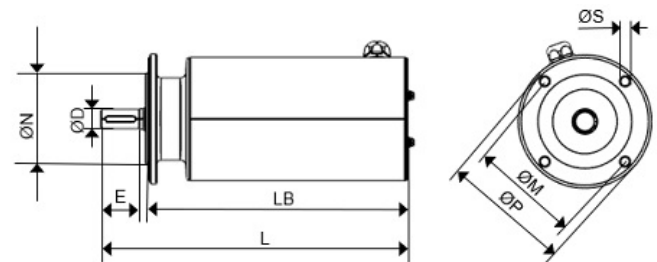
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multitrans
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### Motor connection

Connection type	OCC for S210
Cable outlet	with M17 plug for increased chemical resistance
Cable length	11.0 m

### Mechanical data

Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	52
Centering ring (N)	95 mm
Hole circle (M)	115 mm
Screw-on hole (S)	9.00 mm
Overall length (LB)	272 mm
Total length (L)	322 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	40 mm
Flange diameter (P)	135 mm
Shaft end	Plain shaft



### Special design

Q1X Cable outlet with plug for increased chemical resistance, 11.0 m