

## Data sheet for SIMOTICS S-1FL2

Article No. : 1FL2105-2AF01-1MB0



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

Item no. :  
Consignment no. :  
Project :

### Basic motor data

Motor type	Permanent-magnet synchronous motor
Motor type	Low Inertia
Static torque	5.00 Nm
Static current	4.65 A
Maximum torque	15.90 Nm
Maximum current	18.00 A
Maximum speed	6,000 rpm
Rotor moment of inertia	1.7100 kgcm <sup>2</sup>
Weight	5.50 kg

### Rated data

SINAMICS S200, 3 AC 380 ... 480 V

Rated speed	3,000 rpm
Rated torque	4.60 Nm
Rated current	4.35 A
Rated power	1.45 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	52
Flange size (AB)	105 mm
Centering ring (N)	95 mm
Hole circle (M)	115 mm
Screw-on hole (S)	9.0 mm
Overall length (LB)	168.9 mm
Diameter of shaft (D)	19 mm
Length of shaft (E)	45 mm
Length of flange diagonal (P)	135 mm
Shaft end	Shaft with parallel key (half-key balancing)
Color of the housing	Anthracite RAL 7016

