

## Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6062-1AC61-2LB1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated speed	2000 rpm	Motor type	High Inertia
Rated torque (100 K)	4.78 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	3.0 A	Shaft height	65
Rated power	1.00 kW / 1.36 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	3000 rpm	Cooling	Natural cooling
Maximum torque	14.30 Nm	Shaft end	Feather key
Max. current	9.0 A	Radial runout tolerance	Class N
Static torque	6.00 Nm	Vibration severity grade	Grade A
Moment of inertia	13.500 kgcm <sup>2</sup>	Degree of protection	IP65
		Design acc. to Code I	IM B5 (IM V1, IM V3)
		Connection type	Angular connector (rotatable)
Physical constants		Holding brake	
Torque constant	1.70 Nm/A	Holding torque $M_{4Br}$	12.00 Nm
Thermal class	B (130 °C)	Rated voltage	24 V DC 10 %
Net weight	9.70 kg	Opening time	180 ms
		Closing time	60 ms
		Rated current	1.50 A
Ambient conditions			
Ambient temperature			
Operation	0 ... 40 °C		
Relative humidity			
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		



Figure similar

Article No. : 1FL6062-1AC61-2LB1

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

Item no. :  
Consignment no. :  
Project :

### Engineering data

Rated speed	2,000 rpm
Rated torque (100 K)	4.78 Nm
Rated current	3.0 A
Rated power	1.00 kW / 1.36 hp
Max. speed	3,000 rpm
Maximum torque	14.30 Nm
Max. current	9 A
Static torque	6.00 Nm
Moment of inertia	13.500 kgcm <sup>2</sup>

### Physical constants

Torque constant	1.70 Nm/A
Thermal class	B (130 °C)
Net weight	9.70 kg

### Ambient conditions

Ambient temperature	
Operation	0 ... 40 °C
Relative humidity	
Max. operation	90 % RH maximum (no condensation at 30 °C)

### Standards

Compliance with standards	CE, EAC
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### Mechanical data

Motor type	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	65
Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Cooling	Natural cooling
Shaft end	Feather key
Radial runout tolerance	Class N
Vibration severity grade	Grade A
Degree of protection	IP65
Design acc. to Code I	IM B5 (IM V1, IM V3)
Connection type	Angular connector (rotatable)

### Holding brake

Holding torque $M_{4Br}$	12.00 Nm
Rated voltage	24 V DC 10 %
Opening time	180 ms
Closing time	60 ms
Rated current	1.50 A