

## Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6096-1AC61-2LG1

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)	33.40 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	13.2 A	Shaft height	90		
Rated power	7.00 kW / 9.52 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn		
Max. speed	2000 rpm	Cooling	Natural cooling		
Maximum torque	90.00 Nm	Shaft end	Plain shaft		
Max. current	35.6 A	Radial runout tolerance	Class N		
Static torque	40.00 Nm	Vibration severity grade	Grade A		
Moment of inertia	134.300 kgcm <sup>2</sup>	Degree of protection	IP65		
<b>Physical constants</b>		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	2.70 Nm/A	Connection type	Angular connector (rotatable)
		Thermal class	B (130 °C)		
Net weight	32.80 kg	<b>Ambient conditions</b>			
<b>Ambient conditions</b>		Ambient temperature			
Operation	0 ... 40 °C	Relative humidity			
Max. operation	90 % RH maximum (no condensation at 30 °C)	<b>Standards</b>			
<b>Standards</b>		Compliance with standards			
Compliance with standards		CE, EAC			



Figure similar

Article No. : 1FL6096-1AC61-2LG1

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

Item no. :  
Consignment no. :  
Project :

### Engineering data

Rated speed	2,000 rpm
Rated torque (100 K)	33.40 Nm
Rated current	13.2 A
Rated power	7.00 kW / 9.52 hp
Max. speed	2,000 rpm
Maximum torque	90.00 Nm
Max. current	35.6 A
Static torque	40.00 Nm
Moment of inertia	134.300 kgcm <sup>2</sup>

### Physical constants

Torque constant	2.70 Nm/A
Thermal class	B (130 °C)
Net weight	32.80 kg

### Ambient conditions

Ambient temperature

Operation	0 ... 40 °C
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Relative humidity

Max. operation	90 % RH maximum (no condensation at 30 °C)
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### Standards

Compliance with standards	CE, EAC
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### Mechanical data

Motor type	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	90
Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Cooling	Natural cooling
Shaft end	Plain shaft
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)