

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6090-1AC61-2AG1

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)	11.90 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	7.8 A	Shaft height	90		
Rated power	2.50 kW / 3.40 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	3000 rpm	Cooling	Natural cooling		
Maximum torque	35.70 Nm	Shaft end	Plain shaft		
Max. current	23.4 A	Radial runout tolerance	Class N		
Static torque	15.00 Nm	Vibration severity grade	Grade A		
Moment of inertia	47.400 kgcm ²	Degree of protection	IP65		
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	1.60 Nm/A	Connection type	Angular connector (rotatable)
		Thermal class	B (130 °C)		
Net weight	15.40 kg	Ambient conditions			
Ambient conditions		Ambient temperature			
Operation		0 ... 40 °C			
Relative humidity		Relative humidity			
Max. operation		90 % RH maximum (no condensation at 30 °C)			
Standards		Compliance with standards			
		CE, EAC			



Figure similar

Article No. : 1FL6090-1AC61-2AG1

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

Item no. :
Consignment no. :
Project :

Engineering data

Rated speed	2,000 rpm
Rated torque (100 K)	11.90 Nm
Rated current	7.8 A
Rated power	2.50 kW / 3.40 hp
Max. speed	3,000 rpm
Maximum torque	35.70 Nm
Max. current	23.4 A
Static torque	15.00 Nm
Moment of inertia	47.400 kgcm ²

Physical constants

Torque constant	1.60 Nm/A
Thermal class	B (130 °C)
Net weight	15.40 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	Incremental encoder TTL, 2500 S/R (13 bit)
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)