

## Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6062-1AC61-2AA1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

### Engineering data

Rated speed	2000 rpm
Rated torque (100 K)	4.78 Nm
Rated current	3.0 A
Rated power	1.00 kW / 1.36 hp
Max. speed	3000 rpm
Maximum torque	14.30 Nm
Max. current	9.0 A
Static torque	6.00 Nm
Moment of inertia	11.700 kgcm <sup>2</sup>

### Physical constants

Torque constant	1.70 Nm/A
Thermal class	B (130 °C)
Net weight	7.00 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
---------------------------	---------

### Mechanical data

Motor type	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	65
Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
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)



Figure similar

Article No. : 1FL6062-1AC61-2AA1

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	11.700 kgcm <sup>2</sup>

### Physical constants

Torque constant	1.70 Nm/A
Thermal class	B (130 °C)
Net weight	7.00 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
---------------------------	---------

### Mechanical data

Motor type	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	65
Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
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)