

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6092-1AC61-2LH1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Engineering data

Rated speed	2000 rpm
Rated torque (100 K)	16.70 Nm
Rated current	11.0 A
Rated power	3.50 kW / 4.76 hp
Max. speed	3000 rpm
Maximum torque	50.00 Nm
Max. current	32.9 A
Static torque	22.00 Nm
Moment of inertia	77.900 kgcm ²

Physical constants

Torque constant	1.60 Nm/A
Thermal class	B (130 °C)
Net weight	25.40 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	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)

Holding brake

Holding torque M_{4Br}	30.00 Nm
Rated voltage	24 V DC 10 %
Opening time	220 ms
Closing time	115 ms
Rated current	1.90 A



Figure similar

Article No. : 1FL6092-1AC61-2LH1

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

Item no. :
Consignment no. :
Project :

Engineering data

Rated speed	2,000 rpm
Rated torque (100 K)	16.70 Nm
Rated current	11.0 A
Rated power	3.50 kW / 4.76 hp
Max. speed	3,000 rpm
Maximum torque	50.00 Nm
Max. current	32.9 A
Static torque	22.00 Nm
Moment of inertia	77.900 kgcm ²

Physical constants

Torque constant	1.60 Nm/A
Thermal class	B (130 °C)
Net weight	25.40 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	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)

Holding brake

Holding torque M_{4Br}	30.00 Nm
Rated voltage	24 V DC 10 %
Opening time	220 ms
Closing time	115 ms
Rated current	1.90 A