

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6092-1AC61-2LB1



Figure similar

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)	16.70 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	11.0 A	Shaft height	90
Rated power	3.50 kW / 4.76 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	3000 rpm	Cooling	Natural cooling
Maximum torque	50.00 Nm	Shaft extension	Feather key
Max. current	32.9 A	Radial runout tolerance	Class N
Static torque	22.00 Nm	Vibration severity grade	Grade A
Moment of inertia	77.900 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	25.40 kg		
Ambient conditions		Holding brake	
Ambient temperature		Holding torque M_{4Br}	30.00 Nm
Operation	0 ... 40 °C	Rated voltage	24 V DC ±10 %
Relative humidity		Opening time	220 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Closing time	115 ms
Standards		Rated current	1.90 A
Compliance with standards	CE, EAC		