

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6094-1AC61-2AH1



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)	23.90 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	12.6 A	Shaft height	90
Rated power	5.00 kW / 6.80 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Max. speed	2500 rpm	Cooling	Natural cooling
Maximum torque	70.00 Nm	Shaft extension	Plain shaft
Max. current	36.9 A	Radial runout tolerance	Class N
Static torque	30.00 Nm	Vibration severity grade	Grade A
Moment of inertia	99.700 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	2.00 Nm/A	Connection type	Angular connector (rotatable)
Thermal class	B (130 °C)		
Net weight	30.50 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
		Rated current	1.90 A
Standards			
Compliance with standards	CE, EAC		