

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6096-1AC61-0LB1



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)	33.40 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	13.2 A	Shaft height	90
Rated power	7.00 kW / 9.52 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	2000 rpm	Cooling	Natural cooling
Maximum torque	90.00 Nm	Shaft end	Feather key
Max. current	35.6 A	Radial runout tolerance	Class N
Static torque	40.00 Nm	Vibration severity grade	Grade A
Moment of inertia	143.200 kgcm²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	2.70 Nm/A	Connection type	Straight connector (fixed cable outlet direction)
Thermal class	B (130 °C)	Holding brake	
Net weight	38.70 kg	Holding torque M_{4Br}	30.00 Nm
Ambient conditions		Rated voltage	24 V DC ±10 %
Ambient temperature		Opening time	220 ms
Operation	0 ... 40 °C	Closing time	115 ms
Relative humidity		Rated current	1.90 A
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		