

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6061-1AC61-0LH1



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)	3.58 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	2.5 A	Shaft height	65
Rated power	0.75 kW / 1.02 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	3000 rpm	Cooling	Natural cooling
Maximum torque	10.70 Nm	Shaft end	Plain shaft
Max. current	7.5 A	Radial runout tolerance	Class N
Static torque	4.00 Nm	Vibration severity grade	Grade A
Moment of inertia	9.100 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	1.50 Nm/A	Connection type	Straight connector (fixed cable outlet direction)
Thermal class	B (130 °C)	Holding brake	
Net weight	8.30 kg	Holding torque M _{4Br}	12.00 Nm
Ambient conditions		Rated voltage	24 V DC ±10 %
Ambient temperature		Opening time	180 ms
Operation	0 ... 40 °C	Closing time	60 ms
Relative humidity		Rated current	1.50 A
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		