

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6044-1AF61-0LB1



Figure similar

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

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated speed	3000 rpm	Motor type	High Inertia
Rated torque (100 K)	2.39 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	2.1 A	Shaft height	45
Rated power	0.75 kW / 1.02 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	4000 rpm	Cooling	Natural cooling
Maximum torque	7.20 Nm	Shaft end	Feather key
Max. current	6.3 A	Radial runout tolerance	Class N
Static torque	3.50 Nm	Vibration severity grade	Grade A
Moment of inertia	5.700 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	1.20 Nm/A	Connection type	Straight connector (fixed cable outlet direction)
Thermal class	B (130 °C)	Holding brake	
Net weight	6.20 kg	Holding torque M _{4Br}	3.50 Nm
Ambient conditions		Rated voltage	24 V DC ±10 %
Ambient temperature		Opening time	60 ms
Operation	0 ... 40 °C	Closing time	45 ms
Relative humidity		Rated current	0.90 A
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		