

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6044-1AF61-2AH1



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		
Rated power	0.75 kW / 1.02 hp	Shaft height	45
Max. speed	4000 rpm	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Maximum torque	7.20 Nm	Cooling	Natural cooling
Max. current	6.3 A	Shaft end	Plain shaft
Static torque	3.50 Nm	Radial runout tolerance	Class N
Moment of inertia	5.700 kgcm²	Vibration severity grade	Grade A
Physical constants		Degree of protection	IP65
Torque constant	1.20 Nm/A	Design acc. to Code I	IM B5 (IM V1, IM V3)
Thermal class	B (130 °C)	Connection type	Angular connector (rotatable)
Net weight	6.60 kg		
Ambient conditions		Holding brake	
Ambient temperature		Holding torque M _{4Br}	3.50 Nm
Operation	0 ... 40 °C	Rated voltage	24 V DC 10 %
Relative humidity			60 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)		45 ms
Standards		Rated current	0.90 A
Compliance with standards	CE, EAC		