

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6032-2AF21-1MA1



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

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated speed	3000 rpm	Motor type	Low Inertia
Rated torque (100 K)	0.64 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	1.4 A	Shaft height	30
Rated power	0.20 kW / 0.27 hp	Encoder system	Absolute encoder single-turn 21 bit
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	1.91 Nm	Shaft end	Feather key
Max. current	4.2 A	Radial runout tolerance	Class N
Static torque	0.64 Nm	Vibration severity grade	Grade A
Moment of inertia	0.214 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.48 Nm/A	Connection type	Cable outlet
Thermal class	B (130 °C)		
Net weight	1.00 kg		
Ambient conditions			
Ambient temperature			
Operation	0 ... 40 °C		
Relative humidity			
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		