

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6034-2AF21-1LB1



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)	1.27 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	2.6 A	Shaft height	30
Rated power	0.40 kW / 0.54 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	3.82 Nm	Shaft end	Feather key
Max. current	7.8 A	Radial runout tolerance	Class N
Static torque	1.27 Nm	Vibration severity grade	Grade A
Moment of inertia	0.381 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.49 Nm/A	Connection type	Cable outlet
Thermal class	B (130 °C)	Holding brake	
Net weight	1.90 kg		
Ambient conditions		Holding torque M _{4Br}	1.27 Nm
Ambient temperature		Rated voltage	24 V DC ±10 %
Operation	0 ... 40 °C	Opening time	75 ms
Relative humidity		Closing time	10 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Rated current	0.30 A
Standards			
Compliance with standards	CE, EAC		