

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6034-2AF21-1LH1



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	Low Inertia
Rated torque (100 K)	1.27 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	2.6 A		
Rated power	0.40 kW / 0.54 hp		
Max. speed	5000 rpm	Shaft height	30
Maximum torque	3.82 Nm	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. current	7.8 A	Cooling	Natural cooling
Static torque	1.27 Nm	Shaft end	Plain shaft
Moment of inertia	0.381 kgcm²	Radial runout tolerance	Class N
Physical constants		Vibration severity grade	Grade A
		Degree of protection	IP65
		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)		
Net weight	1.90 kg		
Ambient conditions		Holding brake	
Ambient temperature		Holding torque M _{4Br}	1.27 Nm
Operation	0 ... 40 °C	Rated voltage	24 V DC ±10 %
Relative humidity		Opening time	75 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Closing time	10 ms
Standards		Rated current	0.30 A
Compliance with standards	CE, EAC		