

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6042-2AF21-1LH1



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)	2.39 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	4.7 A	Shaft height	40
Rated power	0.75 kW / 1.02 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	7.20 Nm	Shaft end	Plain shaft
Max. current	14.2 A	Radial runout tolerance	Class N
Static torque	2.39 Nm	Vibration severity grade	Grade A
Moment of inertia	1.060 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.51 Nm/A	Connection type	Cable outlet
Thermal class	B (130 °C)	Holding brake	
Net weight	3.70 kg		
Ambient conditions		Holding torque M _{4Br}	3.18 Nm
Ambient temperature		Rated voltage	24 V DC ±10 %
Operation	0 ... 40 °C	Opening time	105 ms
Relative humidity		Closing time	15 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Rated current	0.35 A
Standards			
Compliance with standards	CE, EAC		