

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6022-2AF21-1LH1



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)	0.16 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	1.2 A	Shaft height	20
Rated power	0.05 kW / 0.07 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	0.48 Nm	Shaft end	Plain shaft
Max. current	3.6 A	Radial runout tolerance	Class N
Static torque	0.16 Nm	Vibration severity grade	Grade A
Moment of inertia	0.038 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
		Torque constant	0.14 Nm/A
		Thermal class	B (130 °C)
Ambient conditions		Connection type	Cable outlet
		Operation	0 ... 40 °C
Relative humidity		Holding brake	
		Max. operation	90 % RH maximum (no condensation at 30 °C)
Standards		Rated voltage	24 V DC 10 %
		Compliance with standards	CE, EAC
			10 ms
		Rated current	0.25 A