

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6034-2AF21-1AB1



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	Shaft height	30		
Rated power	0.40 kW / 0.54 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	5000 rpm	Cooling	Natural cooling		
Maximum torque	3.82 Nm	Shaft extension	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	1.92 kg	Holding torque M_{4Br}	1.27 Nm		
Ambient conditions		Rated voltage	24 V DC ±10 %		
		Ambient temperature	0 ... 40 °C		
Relative humidity		Opening time	75 ms		
		Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards		Closing time	10 ms		
		Compliance with standards	CE, EAC		
		Rated current	0.30 A		