

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)		
Net weight	1.92 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		