

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6034-2AF21-1MB1



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	Absolute encoder single-turn 21 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		
<th colspan="2">Physical constants</th>		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	<th colspan="2">Holding brake</th>		Holding brake	
<th colspan="2">Ambient conditions</th>				Ambient conditions	
		Ambient temperature			
Operation	0 ... 40 °C	Rated voltage	24 V DC ±10 %		
<th colspan="2">Relative humidity</th>		Relative humidity		Opening time	75 ms
		Max. operation	90 % RH maximum (no condensation at 30 °C)	Closing time	10 ms
<th colspan="2">Standards</th>		Standards		Rated current	0.30 A
		Compliance with standards	CE, EAC		