

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6044-2AF21-1MB1



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)	3.18 Nm	Motor type	Permanent-magnet synchronous motor				
Rated current	6.3 A	Shaft height	40				
Rated power	1.00 kW / 1.36 hp	Encoder system	Absolute encoder single-turn 21 bit				
Max. speed	5000 rpm	Cooling	Natural cooling				
Maximum torque	9.54 Nm	Shaft end	Feather key				
Max. current	18.9 A	Radial runout tolerance	Class N				
Static torque	3.18 Nm	Vibration severity grade	Grade A				
Moment of inertia	1.310 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	4.20 kg						
Ambient conditions		Operation	0 ... 40 °C	Holding torque M_{4Br}	3.18 Nm		
Ambient temperature		Relative humidity	Max. operation	90 % RH maximum (no condensation at 30 °C)	Rated voltage	24 V DC ±10 %	
Standards		Opening time	105 ms	Closing time	15 ms	Rated current	0.35 A
		Compliance with standards	CE, EAC				