

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6052-2AF21-2AB1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Engineering data		Mechanical data			
Rated speed	3000 rpm	Motor type	Low Inertia		
Rated torque (100 K)	4.78 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	10.6 A	Shaft height	50		
Rated power	1.50 kW / 2.04 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	5000 rpm	Cooling	Natural cooling		
Maximum torque	14.30 Nm	Shaft extension	Feather key		
Max. current	31.8 A	Radial runout tolerance	Class N		
Static torque	4.78 Nm	Vibration severity grade	Grade A		
Moment of inertia	2.240 kgcm ²	Degree of protection	IP65		
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	0.46 Nm/A	Connection type	Angular connector (rotatable)
		Thermal class	B (130 °C)	Holding brake	
Net weight	7.00 kg				
Ambient conditions		Holding torque M_{4Br}	6.37 Nm		
Ambient temperature		Rated voltage	24 V DC ±10 %		
Operation		Opening time	90 ms		
0 ... 30 °C		Closing time	35 ms		
Relative humidity		Rated current	0.57 A		
Max. operation					
90 % RH maximum (no condensation at 30 °C)					
Standards					
Compliance with standards		CE, EAC			