

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6052-2AF21-2LA1

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)	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	Absolute encoder 20 bit + 12 bit multi-turn		
Max. speed	5000 rpm	Cooling	Natural cooling		
Maximum torque	14.30 Nm	Shaft end	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	2.040 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)		
Net weight	5.50 kg				
Ambient conditions					
Ambient temperature					
Operation	0 ... 30 °C				
Relative humidity					
Max. operation	90 % RH maximum (no condensation at 30 °C)				
Standards					
Compliance with standards	CE, EAC				