

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6096-1AC61-2AH1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data			
Rated speed	2000 rpm	Motor type	High Inertia		
Rated torque (100 K)	33.40 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	13.2 A	Shaft height	90		
Rated power	7.00 kW / 9.52 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	2000 rpm	Cooling	Natural cooling		
Maximum torque	90.00 Nm	Shaft extension	Plain shaft		
Max. current	35.6 A	Radial runout tolerance	Class N		
Static torque	40.00 Nm	Vibration severity grade	Grade A		
Moment of inertia	143.200 kgcm ²	Degree of protection	IP65		
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	2.70 Nm/A	Connection type	Angular connector (rotatable)
		Thermal class	B (130 °C)	Holding brake	
Net weight	39.30 kg	Holding torque M_{4Br}	30.00 Nm		
Ambient conditions		Rated voltage	24 V DC \pm 10 %		
		Ambient temperature			
Operation	0 ... 40 °C	Opening time	220 ms		
Relative humidity		Closing time	115 ms		
		Max. operation	90 % RH maximum (no condensation at 30 °C)	Rated current	1.90 A
Standards					
		Compliance with standards	CE, EAC		