

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6064-1AC61-0AH1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Engineering data		Mechanical data			
Rated speed	2000 rpm	Motor type	High Inertia		
Rated torque (100 K)	7.16 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	4.6 A	Shaft height	65		
Rated power	1.50 kW / 2.04 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	3000 rpm	Cooling	Natural cooling		
Maximum torque	21.50 Nm	Shaft extension	Plain shaft		
Max. current	13.8 A	Radial runout tolerance	Class N		
Static torque	8.00 Nm	Vibration severity grade	Grade A		
Moment of inertia	16.400 kgcm ²	Degree of protection	IP65		
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	1.60 Nm/A	Connection type Straight connector (fixed cable outlet direction)	
		Thermal class	B (130 °C)		
Net weight	11.30 kg	Holding brake			
Ambient conditions				Holding torque M_{4Br}	12.00 Nm
				Operation	0 ... 40 °C
Relative humidity		Rated voltage	24 V DC ±10 %		
		Max. operation	90 % RH maximum (no condensation at 30 °C)	Opening time	180 ms
Standards		Closing time	60 ms		
		Compliance with standards	CE, EAC	Rated current	1.50 A