

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6064-1AC61-2AH1



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)	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	Angular connector (rotatable)
Thermal class	B (130 °C)		
Net weight	11.50 kg		
Ambient conditions		Holding brake	
Ambient temperature		Holding torque M _{4Br}	12.00 Nm
Operation	0 ... 40 °C	Rated voltage	24 V DC ±10 %
Relative humidity		Opening time	180 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Closing time	60 ms
		Rated current	1.50 A
Standards			
Compliance with standards	CE, EAC		