

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6061-1AC61-2LH1



Figure similar

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)	3.58 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	2.5 A	Shaft height	65
Rated power	0.75 kW / 1.02 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	3000 rpm	Cooling	Natural cooling
Maximum torque	10.70 Nm	Shaft extension	Plain shaft
Max. current	7.5 A	Radial runout tolerance	Class N
Static torque	4.00 Nm	Vibration severity grade	Grade A
Moment of inertia	9.100 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	1.50 Nm/A	Connection type	Angular connector (rotatable)
Thermal class	B (130 °C)		
Net weight	8.40 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
Standards		Rated current	1.50 A
Compliance with standards	CE, EAC		