

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6067-1AC61-0LA1



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)	9.55 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	5.9 A	Shaft height	65
Rated power	2.00 kW / 2.72 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	3000 rpm	Cooling	Natural cooling
Maximum torque	28.70 Nm	Shaft end	Feather key
Max. current	17.7 A	Radial runout tolerance	Class N
Static torque	15.00 Nm	Vibration severity grade	Grade A
Moment of inertia	29.900 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	1.70 Nm/A	Connection type	Straight connector (fixed cable outlet direction)
Thermal class	B (130 °C)		
Net weight	13.30 kg		
Ambient conditions			
Ambient temperature			
Operation	0 ... 40 °C		
Relative humidity			
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		