

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6090-1AC61-2LG1



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)	11.90 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	7.8 A		
Rated power	2.50 kW / 3.40 hp	Shaft height	90
Max. speed	3000 rpm	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Maximum torque	35.70 Nm	Cooling	Natural cooling
Max. current	23.4 A	Shaft end	Plain shaft
Static torque	15.00 Nm	Radial runout tolerance	Class N
Moment of inertia	47.400 kgcm²	Vibration severity grade	Grade A
Physical constants		Degree of protection	IP65
Torque constant	1.60 Nm/A	Design acc. to Code I	IM B5 (IM V1, IM V3)
Thermal class	B (130 °C)	Connection type	Angular connector (rotatable)
Net weight	14.90 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		