

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6042-1AF61-0LG1



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated speed	3000 rpm	Motor type	High Inertia
Rated torque (100 K)	1.27 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	1.2 A		
Rated power	0.40 kW / 0.54 hp	Shaft height	45
Max. speed	4000 rpm	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Maximum torque	3.80 Nm	Cooling	Natural cooling
Max. current	3.6 A	Shaft end	Plain shaft
Static torque	1.90 Nm	Radial runout tolerance	Class N
Moment of inertia	2.700 kgcm²	Vibration severity grade	Grade A
Physical constants		Degree of protection	IP65
Torque constant	1.10 Nm/A	Design acc. to Code I	IM B5 (IM V1, IM V3)
Thermal class	B (130 °C)	Connection type	Straight connector (fixed cable outlet direction)
Net weight	3.10 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		