

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6054-2AF21-2AA1



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	Low Inertia
Rated torque (100 K)	6.37 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	11.6 A		
Rated power	2.00 kW / 2.72 hp	Shaft height	50
Max. speed	5000 rpm	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Maximum torque	19.10 Nm	Cooling	Natural cooling
Max. current	34.8 A	Shaft end	Feather key
Static torque	6.37 Nm	Radial runout tolerance	Class N
Moment of inertia	2.620 kgcm²	Vibration severity grade	Grade A
Physical constants		Degree of protection	IP65
Torque constant	0.55 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	6.70 kg		
Ambient conditions			
Ambient temperature			
Operation	0 ... 30 °C		
Relative humidity			
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		