

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6054-2AF21-0AB1



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	Shaft height	50
Rated power	2.00 kW / 2.72 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	19.10 Nm	Shaft end	Feather key
Max. current	34.8 A	Radial runout tolerance	Class N
Static torque	6.37 Nm	Vibration severity grade	Grade A
Moment of inertia	2.820 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.55 Nm/A	Connection type	Straight connector (fixed cable outlet direction)
Thermal class	B (130 °C)		
Net weight	8.00 kg		
Ambient conditions		Holding brake	
Ambient temperature		Holding torque M _{4Br}	6.37 Nm
Operation	0 ... 30 °C	Rated voltage	24 V DC ±10 %
Relative humidity		Opening time	90 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Closing time	35 ms
		Rated current	0.57 A
Standards			
Compliance with standards	CE, EAC		