

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6024-2AF21-1LA1



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)	0.32 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	1.2 A		
Rated power	0.10 kW / 0.14 hp	Shaft height	20
Max. speed	5000 rpm	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Maximum torque	0.96 Nm	Cooling	Natural cooling
Max. current	3.6 A	Shaft end	Feather key
Static torque	0.32 Nm	Radial runout tolerance	Class N
Moment of inertia	0.052 kgcm²	Vibration severity grade	Grade A
Physical constants		Degree of protection	IP65
Torque constant	0.29 Nm/A	Design acc. to Code I	IM B5 (IM V1, IM V3)
Thermal class	B (130 °C)	Connection type	Cable outlet
Net weight	0.60 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		