

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6022-2AF21-1MB1



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)	0.16 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	1.2 A	Shaft height	20
Rated power	0.05 kW / 0.07 hp	Encoder system	Absolute encoder single-turn 21 bit
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	0.48 Nm	Shaft extension	Feather key
Max. current	3.6 A	Radial runout tolerance	Class N
Static torque	0.16 Nm	Vibration severity grade	Grade A
Moment of inertia	0.038 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.14 Nm/A	Connection type	Cable outlet
Thermal class	B (130 °C)	Holding brake	
Net weight	0.70 kg		
Ambient conditions		Holding torque M _{4Br}	0.32 Nm
Ambient temperature		Rated voltage	24 V DC ±10 %
Operation	0 ... 40 °C	Opening time	35 ms
Relative humidity		Closing time	10 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Rated current	0.25 A
Standards			
Compliance with standards	CE, EAC		