

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6024-2AF21-1AB1



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	Shaft height	20
Rated power	0.10 kW / 0.14 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	0.96 Nm	Shaft end	Feather key
Max. current	3.6 A	Radial runout tolerance	Class N
Static torque	0.32 Nm	Vibration severity grade	Grade A
Moment of inertia	0.059 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.29 Nm/A	Connection type	Cable outlet
Thermal class	B (130 °C)	Holding brake	
Net weight	0.90 kg	Holding torque M_{4Br}	0.32 Nm
Ambient conditions		Rated voltage	24 V DC $\pm 10\%$
Ambient temperature		Opening time	35 ms
Operation	0 ... 40 °C	Closing time	10 ms
Relative humidity		Rated current	0.25 A
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		