

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6054-2AF21-0MH1



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	Absolute encoder single-turn 21 bit
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	19.10 Nm	Shaft extension	Plain shaft
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)	Holding brake	
Net weight	8.00 kg	Holding torque M_{4Br}	6.37 Nm
Ambient conditions		Rated voltage	24 V DC $\pm 10\%$
Ambient temperature		Opening time	90 ms
Operation	0 ... 30 °C	Closing time	35 ms
Relative humidity		Rated current	0.57 A
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		