

## Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6052-2AF21-0MH1



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)	4.78 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	10.6 A	Shaft height	50
Rated power	1.50 kW / 2.04 hp	Encoder system	Absolute encoder single-turn 21 bit
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	14.30 Nm	Shaft extension	Plain shaft
Max. current	31.8 A	Radial runout tolerance	Class N
Static torque	4.78 Nm	Vibration severity grade	Grade A
Moment of inertia	2.240 kgcm <sup>2</sup>	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.46 Nm/A	Connection type	Straight connector (fixed cable outlet direction)
Thermal class	B (130 °C)	Holding brake	
Net weight	6.76 kg	Holding torque $M_{4Br}$	6.37 Nm
Ambient conditions		Rated voltage	24 V DC ±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		