

## Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6052-2AF21-0MB1



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	Feather key	
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	
<th>Physical constants</th> <td>Design acc. to Code I</td> <td>IM B5 (IM V1, IM V3)</td>		Physical constants	Design acc. to Code I	IM B5 (IM V1, IM V3)
		Connection type	Straight connector (fixed cable outlet direction)	
		<th>Ambient conditions</th>		Ambient conditions
<th>Holding brake</th>				Holding brake
Ambient temperature		Holding torque $M_{4Br}$	6.37 Nm	
Operation 0 ... 30 °C		Rated voltage	24 V DC ±10 %	
Relative humidity		Opening time	90 ms	
Max. operation 90 % RH maximum (no condensation at 30 °C)		Closing time	35 ms	
<th>Standards</th> <td>Rated current</td> <td>0.57 A</td>		Standards	Rated current	0.57 A
		Compliance with standards CE, EAC		