

## Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6066-1AC61-0LB1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Engineering data		Mechanical data		
Rated speed	2000 rpm	Motor type	High Inertia	
Rated torque (100 K)	8.36 Nm	Motor type	Permanent-magnet synchronous motor	
Rated current	5.3 A	Shaft height	65	
Rated power	1.75 kW / 2.38 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn	
Max. speed	3000 rpm	Cooling	Natural cooling	
Maximum torque	25.10 Nm	Shaft extension	Feather key	
Max. current	15.9 A	Radial runout tolerance	Class N	
Static torque	11.00 Nm	Vibration severity grade	Grade A	
Moment of inertia	23.700 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
<th>Ambient temperature</th> <td>Holding torque <math>M_{4Br}</math></td> <td>12.00 Nm</td>		Ambient temperature	Holding torque $M_{4Br}$	12.00 Nm
<th>Operation</th> <td>Rated voltage</td> <td>24 V DC <math>\pm 10\%</math></td>		Operation	Rated voltage	24 V DC $\pm 10\%$
<th>Relative humidity</th> <td>Opening time</td> <td>180 ms</td>		Relative humidity	Opening time	180 ms
<th>Max. operation</th> <td>Closing time</td> <td>60 ms</td>		Max. operation	Closing time	60 ms
<th>Standards</th> <td>Rated current</td> <td>1.50 A</td>		Standards	Rated current	1.50 A
<th>Compliance with standards</th> <td colspan="2">CE, EAC</td>		Compliance with standards	CE, EAC	