

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6032-2AF21-1AA1



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)	0.64 Nm	Motor type	Permanent-magnet synchronous motor			
Rated current	1.4 A	Shaft height	30			
Rated power	0.20 kW / 0.27 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)			
Max. speed	5000 rpm	Cooling	Natural cooling			
Maximum torque	1.91 Nm	Shaft extension	Feather key			
Max. current	4.2 A	Radial runout tolerance	Class N			
Static torque	0.64 Nm	Vibration severity grade	Grade A			
Moment of inertia	0.214 kgcm ²	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)		
		Torque constant	0.48 Nm/A	<th>Connection type</th> <td>Cable outlet</td>	Connection type	Cable outlet
		Thermal class	B (130 °C)			
Net weight	1.02 kg	<th>Ambient conditions</th>		Ambient conditions		
<th>Ambient temperature</th> <td colspan="2">Operation</td>		Ambient temperature	Operation			
<th>Relative humidity</th> <td colspan="2">0 ... 40 °C</td>		Relative humidity	0 ... 40 °C			
<th>Max. operation</th> <td colspan="2">90 % RH maximum (no condensation at 30 °C)</td>		Max. operation	90 % RH maximum (no condensation at 30 °C)			
<th>Standards</th> <td colspan="2">Compliance with standards</td>		Standards	Compliance with standards			
		CE, EAC				