

## Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6032-2AF21-1AB1



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	0.245 kgcm <sup>2</sup>	Degree of protection	IP65		
<b>Physical constants</b>		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	0.48 Nm/A	Connection type	Cable outlet
		Thermal class	B (130 °C)	<b>Holding brake</b>	
Net weight	1.48 kg				
<b>Ambient conditions</b>		Rated voltage	24 V DC ±10 %		
Ambient temperature		Opening time	75 ms		
Operation		Closing time	10 ms		
0 ... 40 °C		Rated current	0.30 A		
Relative humidity					
Max. operation					
90 % RH maximum (no condensation at 30 °C)					
<b>Standards</b>					
Compliance with standards					
CE, EAC					