

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6032-2AF21-1AG1



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	Plain shaft		
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		
Physical constants		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)		
Net weight	1.02 kg				
Ambient conditions					
Ambient temperature					
Operation	0 ... 40 °C				
Relative humidity					
Max. operation	90 % RH maximum (no condensation at 30 °C)				
Standards					
Compliance with standards	CE, EAC				