

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6094-1AC61-2AG1

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)	23.90 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	12.6 A	Shaft height	90		
Rated power	5.00 kW / 6.80 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	2500 rpm	Cooling	Natural cooling		
Maximum torque	70.00 Nm	Shaft extension	Plain shaft		
Max. current	36.9 A	Radial runout tolerance	Class N		
Static torque	30.00 Nm	Vibration severity grade	Grade A		
Moment of inertia	90.800 kgcm ²	Degree of protection	IP65		
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	2.00 Nm/A	Connection type	Angular connector (rotatable)
		Thermal class	B (130 °C)		
Net weight	24.40 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				