

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6044-1AF61-2AG1



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data	
Rated speed	3000 rpm
Rated torque (100 K)	2.39 Nm
Rated current	2.1 A
Rated power	0.75 kW / 1.02 hp
Max. speed	4000 rpm
Maximum torque	7.20 Nm
Max. current	6.3 A
Static torque	3.50 Nm
Moment of inertia	5.200 kgcm²
Physical constants	
Torque constant	1.20 Nm/A
Thermal class	B (130 °C)
Net weight	5.20 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

Mechanical data	
Motor type	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	45
Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Cooling	Natural cooling
Shaft end	Plain shaft
Radial runout tolerance	Class N
Vibration severity grade	Grade A
Degree of protection	IP65
Design acc. to Code I	IM B5 (IM V1, IM V3)
Connection type	Angular connector (rotatable)