

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6052-2AF21-2AA1



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)	4.78 Nm
Rated current	10.6 A
Rated power	1.50 kW / 2.04 hp
Max. speed	5000 rpm
Maximum torque	14.30 Nm
Max. current	31.8 A
Static torque	4.78 Nm
Moment of inertia	2.040 kgcm²
Physical constants	
Torque constant	0.46 Nm/A
Thermal class	B (130 °C)
Net weight	5.50 kg
Ambient conditions	
Ambient temperature	
Operation	0 ... 30 °C
Relative humidity	
Max. operation	90 % RH maximum (no condensation at 30 °C)
Standards	
Compliance with standards	CE, EAC

Mechanical data	
Motor type	Low Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	50
Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Cooling	Natural cooling
Shaft end	Feather key
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)