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SIEMENS

Data sheet for SIMOTICS S-1FL6



Figure similar

Article No. : 1FL6052-2AF21-2AB1

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data	
Rated speed	3,000 rpm
Rated torque (100 K)	4.78 Nm
Rated current	10.6 A
Rated power	1.50 kW / 2.04 hp
Max. speed	5,000 rpm
Maximum torque	14.30 Nm
Max. current	31.8 A
Static torque	4.78 Nm
Moment of inertia	2.240 kgcm²

Physical constants	
Torque constant	0.46 Nm/A
Thermal class	B (130 °C)
Net weight	7.00 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)

Holding brake	
Holding torque M_{4Br}	6.37 Nm
Rated voltage	24 V DC 10 %
Opening time	90 ms
Closing time	35 ms
Rated current	0.57 A