SIEMENS

Data sheet for SIMOTICS S-1FL6



Figure similar

Article No. : 1FL6044-1AF61-2LA1

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

Item no. :
Consignment no. :
Project :

Engineering data	
Rated speed	3,000 rpm
Rated torque (100 K)	2.39 Nm
Rated current	2.1 A
Rated power	0.75 kW / 1.02 hp
Max. speed	4,000 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	5.00 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	Absolute encoder 20 bit + 12 bit multi-turn
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)