SIEMENS

Data sheet for SIMOTICS S-1FL6



Figure similar

Article No. : 1FL6094-1AC61-0AB1

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

Item no. :
Consignment no. :
Project :

Engineering data	
Rated speed	2,000 rpm
Rated torque (100 K)	23.90 Nm
Rated current	12.6 A
Rated power	5.00 kW / 6.80 hp
Max. speed	2,500 rpm
Maximum torque	70.00 Nm
Max. current	36.9 A
Static torque	30.00 Nm
Moment of inertia	99.700 kgcm²

Physical constants	
Torque constant	2.00 Nm/A
Thermal class	B (130 °C)
Net weight	30.30 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	90
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	Straight connector (fixed cable outlet direction)

Holding brake	
Holding torque M_{4Br}	30.00 Nm
Rated voltage	24 V DC 10 %
Opening time	220 ms
Closing time	115 ms
Rated current	1.90 A

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens