SIEMENS

Data sheet for SIMOTICS S-1FL6



Figure similar

Article No. : 1FL6044-2AF21-1AB1

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

Item no. :
Consignment no. :
Project :

Engineering data	
Rated speed	3,000 rpm
Rated torque (100 K)	3.18 Nm
Rated current	6.3 A
Rated power	1.00 kW / 1.36 hp
Max. speed	5,000 rpm
Maximum torque	9.54 Nm
Max. current	18.9 A
Static torque	3.18 Nm
Moment of inertia	1.310 kgcm²

Physical constants	
Torque constant	0.51 Nm/A
Thermal class	B (130 °C)
Net weight	4.20 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	Low Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	40
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	Cable outlet

Holding brake	
Holding torque M_{4Br}	3.18 Nm
Rated voltage	24 V DC 10 %
Opening time	105 ms
Closing time	15 ms
Rated current	0.35 A

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