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SIEMENS

Data sheet for SIMOTICS S-1FL6

Figure similar

Article No. : 1FL6061-1AC61-2LG1

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

Item no. :
Consignment no. :
Project :

Engineering data	
Rated speed	2,000 rpm
Rated torque (100 K)	3.58 Nm
Rated current	2.5 A
Rated power	0.75 kW / 1.02 hp
Max. speed	3,000 rpm
Maximum torque	10.70 Nm
Max. current	7.5 A
Static torque	4.00 Nm
Moment of inertia	8.000 kgcm²

Physical constants	
Torque constant	1.50 Nm/A
Thermal class	B (130 °C)
Net weight	5.40 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	65
Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Cooling	Natural cooling
Shaft end	Plain shaft
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)

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Technical data are subject to change! There may be discrepancies between the calculated and displayed values.

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1FL6061-1AC61-2LG1

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