

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6064-1AC61-0AA1



Figure similar

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

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated speed	2000 rpm	Motor type	High Inertia
Rated torque (100 K)	7.16 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	4.6 A		
Rated power	1.50 kW / 2.04 hp	Shaft height	65
Max. speed	3000 rpm	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Maximum torque	21.50 Nm	Cooling	Natural cooling
Max. current	13.8 A	Shaft end	Feather key
Static torque	8.00 Nm	Radial runout tolerance	Class N
Moment of inertia	15.300 kgcm²	Vibration severity grade	Grade A
Physical constants		Degree of protection	IP65
Torque constant	1.60 Nm/A	Design acc. to Code I	IM B5 (IM V1, IM V3)
Thermal class	B (130 °C)	Connection type	Straight connector (fixed cable outlet direction)
Net weight	8.30 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		



Figure similar

Article No. : 1FL6064-1AC61-0AA1

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

Item no. :
Consignment no. :
Project :

Engineering data	
Rated speed	2,000 rpm
Rated torque (100 K)	7.16 Nm
Rated current	4.6 A
Rated power	1.50 kW / 2.04 hp
Max. speed	3,000 rpm
Maximum torque	21.50 Nm
Max. current	13.8 A
Static torque	8.00 Nm
Moment of inertia	15.300 kgcm²

Physical constants	
Torque constant	1.60 Nm/A
Thermal class	B (130 °C)
Net weight	8.30 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

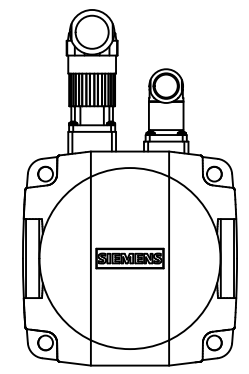
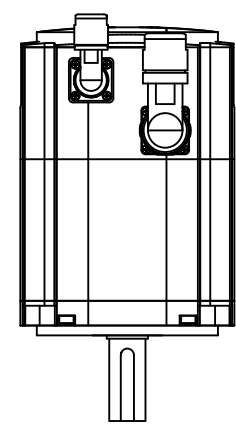
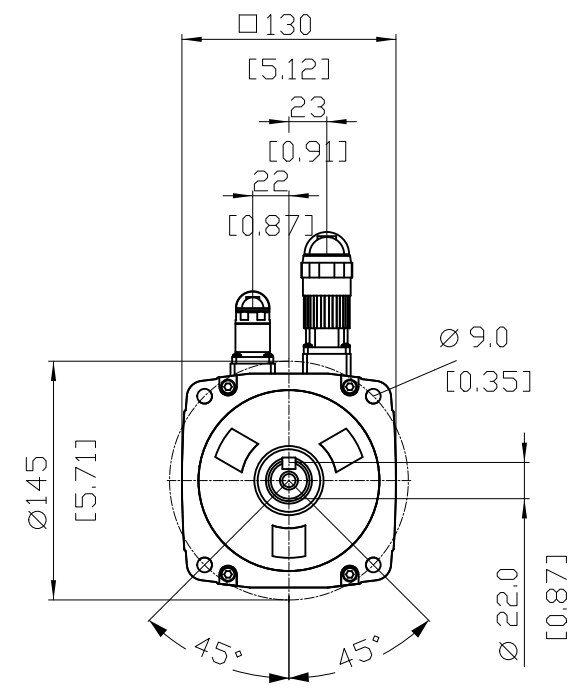
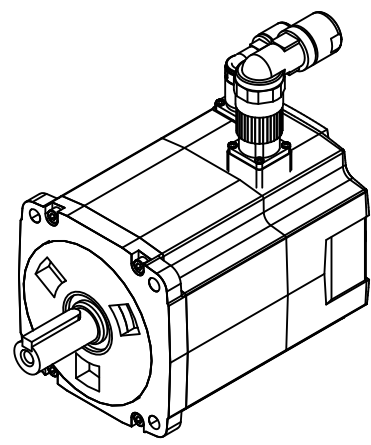
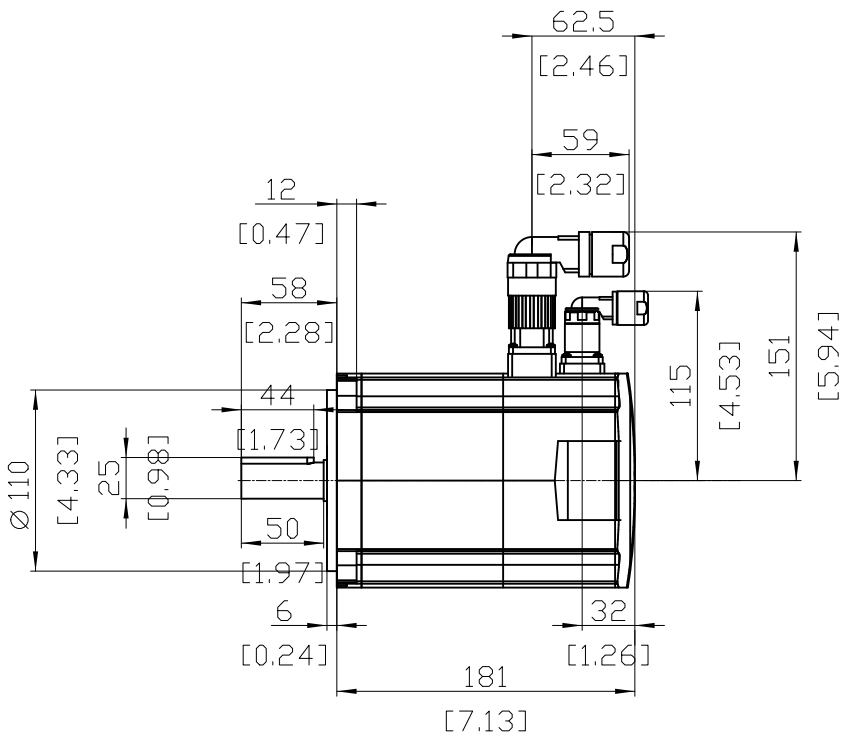
Mechanical data	
Motor type	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	65
Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Cooling	Natural cooling
Shaft end	Feather key
Radial runout tolerance	Class N
Vibration severity grade	Grade A
Degree of protection	IP65
Design acc. to Code I	IM B5 (IM V1, IM V3)
Connection type	Straight connector (fixed cable outlet direction)

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Unit	mm [in]	1FL6064-1AC61-0AA1
Date	5/23/23	
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