

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6042-1AF61-0LG1



Figure similar

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

Item no. :
Consignment no. :
Project :

Engineering data	
Rated speed	3000 rpm
Rated torque (100 K)	1.27 Nm
Rated current	1.2 A
Rated power	0.40 kW / 0.54 hp
Max. speed	4000 rpm
Maximum torque	3.80 Nm
Max. current	3.6 A
Static torque	1.90 Nm
Moment of inertia	2.700 kgcm²
Physical constants	
Torque constant	1.10 Nm/A
Thermal class	B (130 °C)
Net weight	3.10 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	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	Straight connector (fixed cable outlet direction)



Figure similar

Article No. : 1FL6042-1AF61-0LG1

Client order no. :
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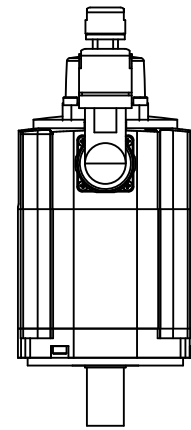
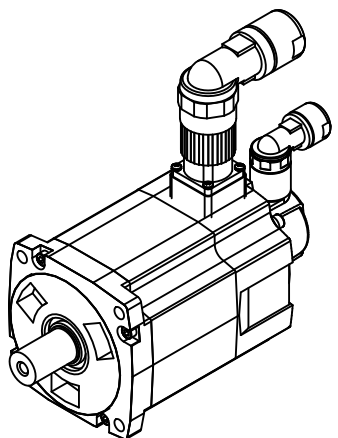
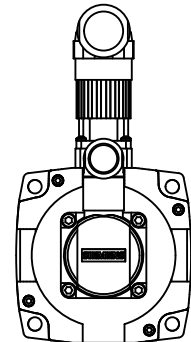
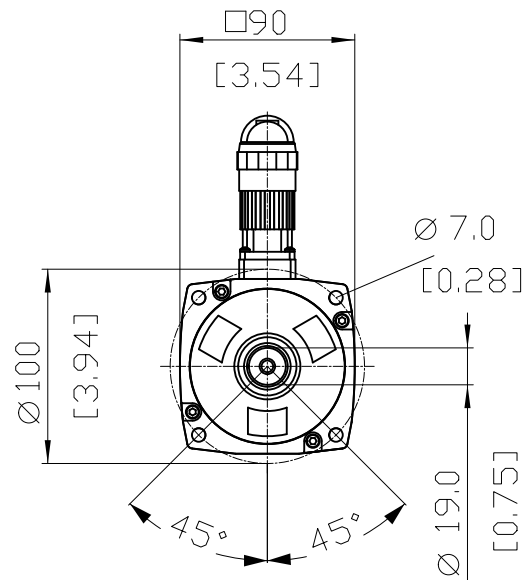
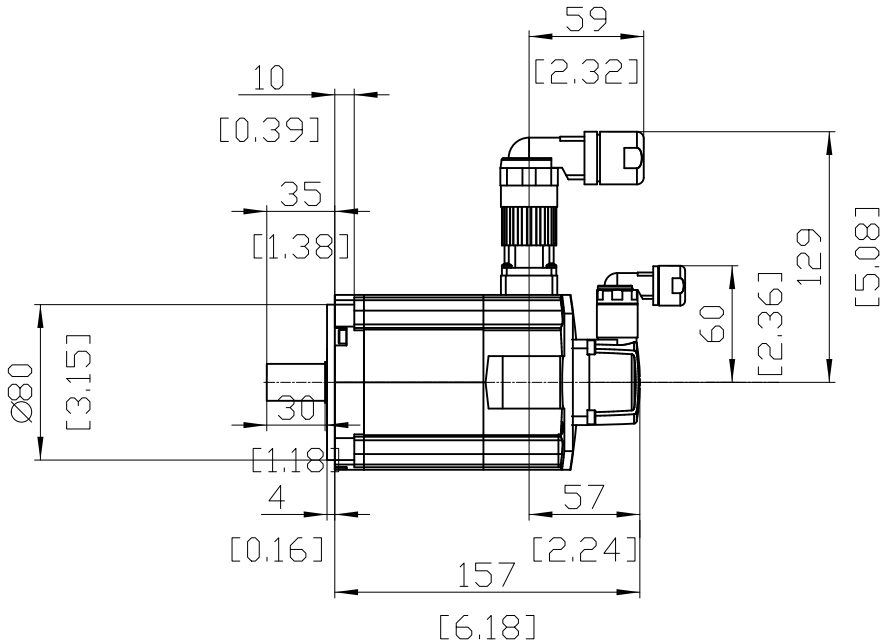
Engineering data	
Rated speed	3,000 rpm
Rated torque (100 K)	1.27 Nm
Rated current	1.2 A
Rated power	0.40 kW / 0.54 hp
Max. speed	4,000 rpm
Maximum torque	3.80 Nm
Max. current	3.6 A
Static torque	1.90 Nm
Moment of inertia	2.700 kgcm²

Physical constants	
Torque constant	1.10 Nm/A
Thermal class	B (130 °C)
Net weight	3.10 kg

Ambient conditions	
Ambient temperature	
Operation	0 ... 40 °C
Relative humidity	
Max. operation	90 % RH maximum (no condensation at 30 °C)

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Unit		mm [in]	1FL6042-1AF61-0LG1
Date		5/23/23	
SIEMENS AG		-	
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