

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6044-2AF21-1LB1



Figure similar

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

Item no. :
Consignment no. :
Project :

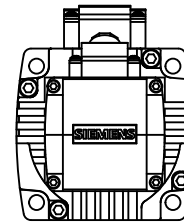
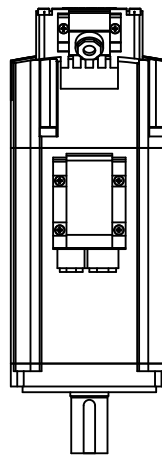
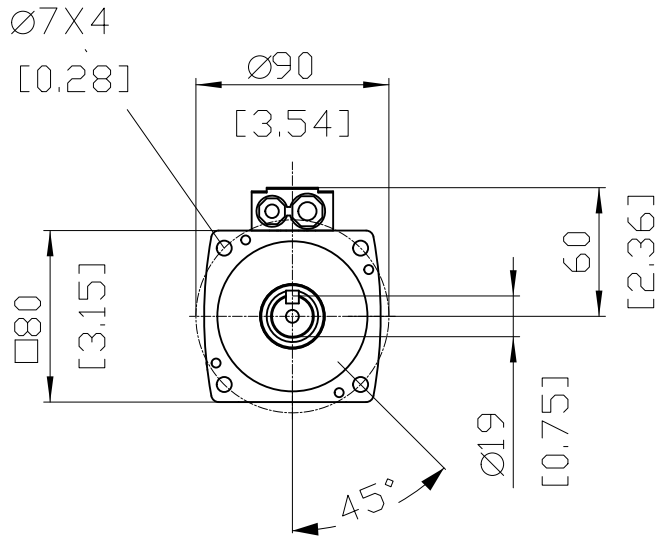
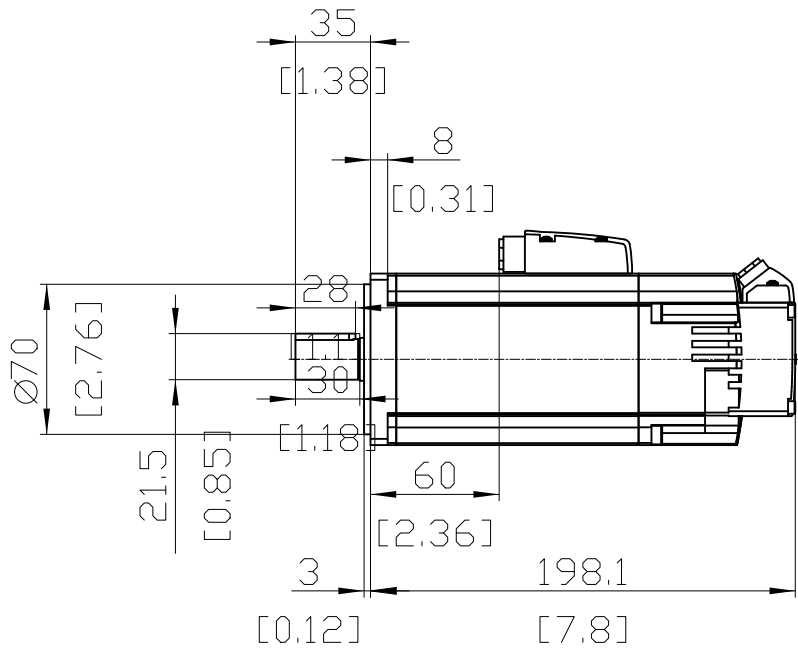
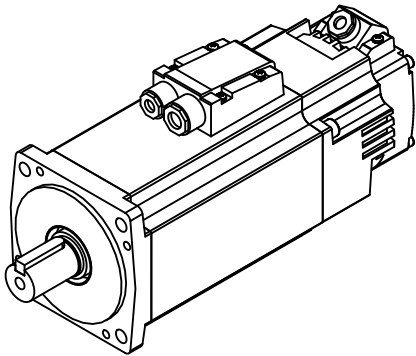
Engineering data		Mechanical data	
Rated speed	3000 rpm	Motor type	Low Inertia
Rated torque (100 K)	3.18 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	6.3 A	Shaft height	40
Rated power	1.00 kW / 1.36 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	9.54 Nm	Shaft end	Feather key
Max. current	18.9 A	Radial runout tolerance	Class N
Static torque	3.18 Nm	Vibration severity grade	Grade A
Moment of inertia	1.310 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	0.51 Nm/A	Connection type	Cable outlet
Thermal class	B (130 °C)	Holding brake	
Net weight	4.20 kg		
Ambient conditions		Holding torque M _{4Br}	3.18 Nm
Ambient temperature		Rated voltage	24 V DC 10 %
Operation	0 ... 40 °C	Opening time	105 ms
Relative humidity		Closing time	15 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Rated current	0.35 A
Standards			
Compliance with standards	CE, EAC		

Copyright© Siemens AG 2005
Cod-drawing do not make any
manual changes

The reproduction or use of this document or its
contents is not permitted without express written authority.
Offenders will be liable for damages. All rights, including rights
created by patent grant or registration of a utility model or design,
are reserved.

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwer-
tung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht
ausdrücklich zugestanden. Zuwiderhandlungen verpflichten
zu Schadenersatz. Alle Rechte vorbehalten, insbesondere fuer
den Fall der Patenterteilung oder GK-Entragung.

Confie a titre de secret d'entreprise. Tous droits reserves.
Confidado como secreto industrial. No reservados todos los derechos
Comunicado como segredo empresarial. Reservados todos os direitos



		
Unit	mm (in)	1FL6044-2AF21-1LB1
Date	3/31/23	
SIEMENS AG		-
-		
		DT