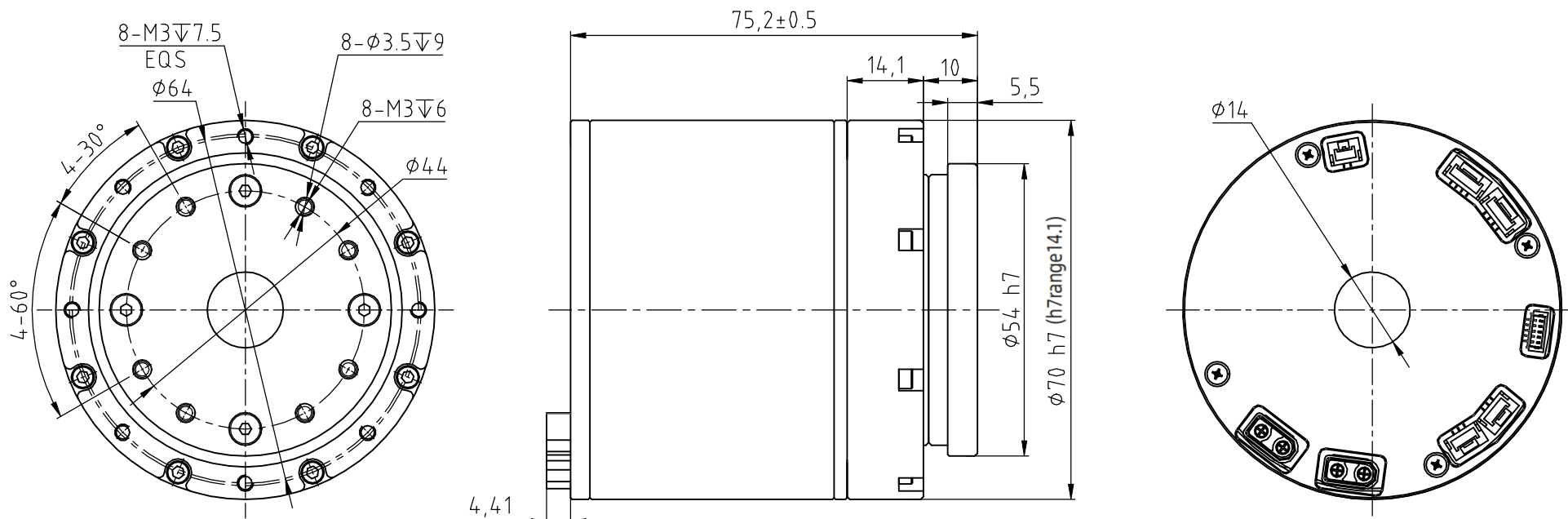
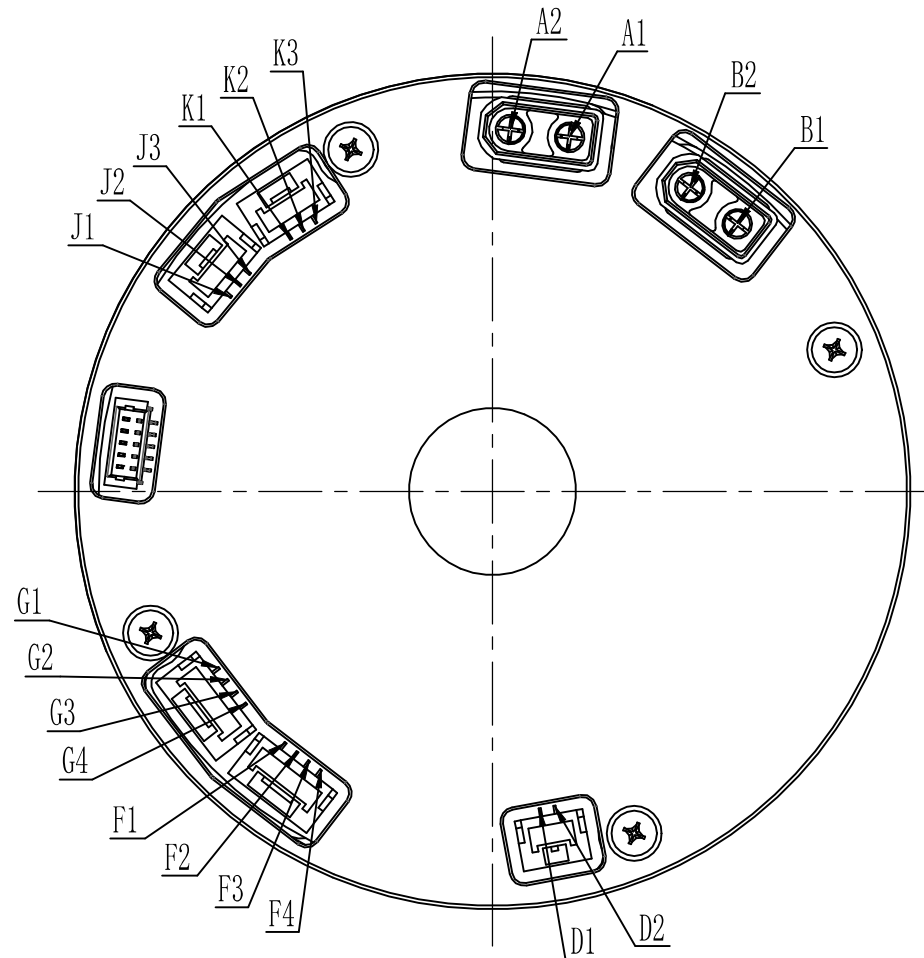


Sign



						Rotary Actuator	L70I-E-XXX-BF-A01		
							GJ-DW-ME-0007		
标记	处数	更改内容	签 字	日 期			客户图样标记	重量(kg)	比 例
设 计									
审 核									
批 准									
工艺会签									
		版本号	A4			 Laitual Drive		浙江来福谐波传动股份有限公司	
						共 2 页			
						第 1 页			

Sign



Technical requirements:

1. Insulation resistance (DC500V) > 500MΩ, insulation withstand voltage AC500V (1 minute), less than 5mA;
2. Motor-side encoder resolution: 16-bit multi-turn, 17-bit single-turn; Encoder resolution at reducer end: 17-bit singleturn;
3. Bus protocol: EtherCAT.
4. Appearance without obvious burrs, scratches, bumps and other defects;
5. Operating temperature: -25~55;
6. Unidirectional positioning accuracy: 60Arc sec, repeat positioning accuracy: 20Arc sec.

Module Signal Definition

Pin NO.	Signal Name	Remarks
A1/B1	VBUS+	VBUS+ Bus Power Input/Output Positive Terminal
A2/B2	VBUS-	VBUS- Bus Power Input/Output Negative Terminal
D1	BAT+	BAT+ Multiturn Encoder Backup Battery Positive Terminal
D2	BAT-	BAT- Multiturn Encoder Backup Battery Negative Terminal
F1	E1_RX+	E1_RX+ EtherCAT Output Receive Positive Terminal
F2	E1_RX-	E1_RX- EtherCAT Output Receive Negative Terminal
F3	E1_TX+	E1_TX+ EtherCAT Output Transmit Positive Terminal
F4	E1_TX-	E1_TX- EtherCAT Output Transmit Negative Terminal
G1	E0_RX+	E0_RX+ EtherCAT Input Receive Positive Terminal
G2	E0_RX-	E0_RX- EtherCAT Input Receive Negative Terminal
G3	E0_TX+	E0_TX+ EtherCAT Input Transmit Positive Terminal
G4	E0_TX-	E0_TX- EtherCAT Input Transmit Negative Terminal
J1/K1	RS485_A	RS485_A RS485 Bus A Terminal
J2/K2	RS485_GND	RS485_GND RS485 Bus Ground
J3/K3	RS485_B	RS485_B RS485 Bus B Terminal

Module Data

Ratio	Rated Torque (Nm)	Permissible peak torque at start/stop (Nm)	Instantaneous permissible max.torque(Nm)	Rated Speed (rpm)	Max.Speed (rpm)	Rated Current (A)	Max.Current (A)	Tq-Constant (Nm/Arms)	Inertia Moment (kg·mm ²)	Weight (kg)
51	9	23	46	58.8	107.8	3.23	8.25	2.79	61.2	1.01
81	14	30	61	37	67.9	3.16	6.77	4.43		
101	14	36	70	29.7	54.5	2.53	6.52	5.52		
—	—	—	—	—	—	—	—	—		

标记	处数	更改内容	签字	日期	
设计					
审核					
批准					
工艺会签					
		版本号	A4		

Rotary actuator

L70I-E-XXX-BF-A01

GJ-DW-ME-0007

Lafu Drive

浙江来福谐波传动股份有限公司

共 2 页

第 2 页