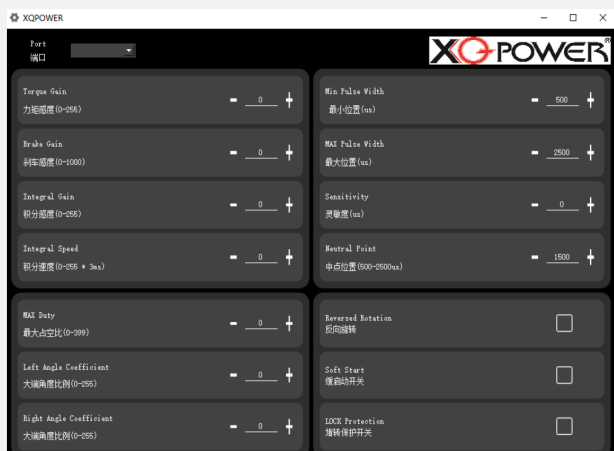


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.20200321.1.2				
						VER	X8_8020.01				
						Page.	P.1				
						Prepare Date	20200321				
GSN	XQ-8S	Product Name	XQ-POWER 8.4V22kg-cm Hight Voltage Digital Servo	Model	XQ-S8020TTL	Material	CNC all-metal case				
Process flow				CNC / industry testing torque							
SIZE OF THE DRAWINGS				Control Specifications							
				NO. Standard Test Environment							
				1-1	Temperature range	25°C±5°C					
				1-2	Humidity range	65%±10%					
				NO. Apply Environmental Condition							
				2-1	Storage temperature range	-20°C ~ 70°C					
				2-2	Operating temperature range	-15°C ~ 65°C					
				NO. Mechanical Specification							
				3-1	Servo dimensions	20*40*34.9 mm					
				3-2	Servo weight	65g					
				3-3	Servo gear	Stainless Steel					
				3-4	Angle of limit	210°					
				3-5	Servo bearing	2 Ball bearings					
				3-6	Output force shaft	25T-φ5.94mm					
				3-7	Servo arm	Plastic, POM					
				3-8	Case material	Aluminium CNC					
				3-9	Servo line	300mm					
				The Drawings				3-10 Built-in motor Coreless motor			
				Photos1				3-11 Splash water resistance Yes			
Electrical Specification											
NO. Test Operating Voltage Range											
4-1	Work Voltage	6.0 V									
4-2	No load speed	0.14 sec/60°									
4-3	Runnig current (no load)	300 mA									
4-4	Peak stall torque	17 kg.cm									
4-5	Stall current	2.8 A									
Work Voltage 7.4 V											
4-6	No load speed	0.12 sec/60°									
4-7	Runnig current (no load)	350 mA									
4-8	Peak stall torque	20 kg.cm									
4-9	Stall current	3 A									
Work Voltage 8.4 V											
4-10 No load speed 0.10 sec/60°											
4-11 Runnig current (no load) 420 mA											
4-12 Peak stall torque 23 kg.cm											
4-13 Stall current 3.5 A											
Make table								CHECK	APPROVE		
MR.ZHONG				MR.LIU	Manager.ZHOU						

Shenzhen XQPOWER Technology Co., LTD XQPOWER Product Inspection Specification					DOCUMENT NO		N/D.20200321.1.2			
					VER		X8_8020.01			
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					Prepare Date		20200321			
GSN		XQ-8S	Product Name	XQ-POWER 8.4V22kg-cm Hight Voltage Digital Servo		Model	XQ-S8020TTL	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item		Specification		AQL
					5-1	Command signal		PWM 50-333Hz		
					5-2	Amplifier type		Digital Controller		
					5-3	Pulse width range		800~2200 μsec		
					5-4	Neutral position		1500 μsec		
					5-5	Running degree		360°(when1000 ~2000 μsec)Customization		
					5-6	Dead band width		1 μsec		
					5-7	Rotating direction		CCW(when1000 ~2000 μsec)		
					Appearance inspection					
					NO.	QC details				
5-7	Material qualified									
5-8	Gear structure qualified									
5-9	Function qualified									
5-10	Use data qualified									
Accessories					5-11	Pass the test				
Photos1 					NO.	Other				
					6-1					
					6-2					
					6-3					
					6-4					
					Other Accessories					
					7-1	Plastic arm bag				
					7-2	Screw				
					7-3	Metal arm (additional purchase)				
										
Reference opinions of all departments: Agree					Make table	CHECK	APPROVE			
					MR.ZHONG	MR.LIU	Manager.ZHOU			