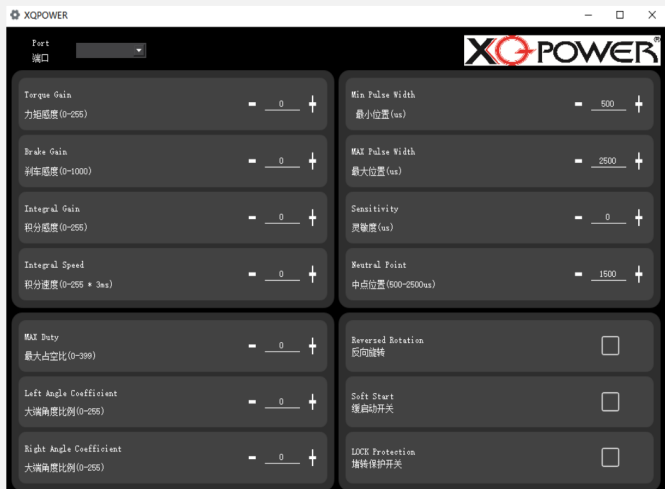


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20200321.1.2							
						VER		X8_8020.01							
						Page.		P.1							
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GSN		XQ-8S	Product Name	XQ-POWER 8.4V22kg-cm Hight Voltage Digital Servo		Model	XQ-S8020D	Material	CNC all-metal case						
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					
						3-10		Built-in motor		Coreless motor					
						3-11		Splash water resistance		Yes					
The Drawings						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			

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GSN		XQ-8S	Product Name	XQ-POWER 8.4V22kg-cm Hight Voltage Digital Servo		Model	XQ-S8020D	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)								
					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									
					5-11	Pass the test									
					Accessories					NO.	Other			AQL	
					Photos1 					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									AQL						
					Make table	CHECK	APPROVE								
					MR.ZHONG	MR.LIU	Manager.ZHOU								