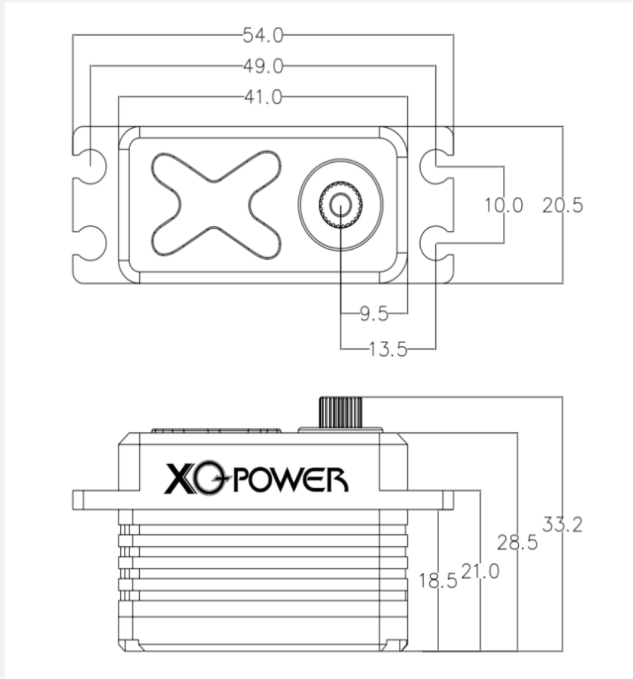


Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.202501.3.02			
					VER		X3_348.05			
					Page.		P.1			
					Prepare Date		20250105			
GSN		XQ-3S	Product Name	XQ-POWER 8.4V48kg-cm Hight Voltage Brushless Servo		Model	XQ-RS348	Material	CNC all-metal case	
Process flow					CNC / industry testing torque					
SIZE OF THE DRAWINGS					Control Specifications					AQL
					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	41*20.5*28.5 mm			
					3-2	Servo Weight	69g			
					3-3	Servo Gear	Stainless Steel			
					3-4	Angle of limit	No Limit			
					3-5	Servo Bearing	2 Ball bearings			
					3-6	Output force shaft	25T-φ5.96mm			
					3-7	Servo arm	Plastic, POM			
					3-8	Case Material	Aluminium CNC			
					3-9	Servo line	300mm 3P			
					3-10	Built-in motor	Brushless motor			
					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)	190 mA			
					4-4	Peak stall torque	30 kg.cm			
					4-5	Stall current	3.5 A			
						Work Voltage	7.4 V			
					4-6	No load speed	0.11 sec/60°			
					4-7	Runnig current (no load)	220 mA			
					4-8	Peak stall torque	37 kg.cm			
					4-9	Stall current	4 A			
						Work Voltage	8.4 V			
					4-10	No load speed	0.09 sec/60°			
					4-11	Runnig current (no load)	250 mA			
					4-12	Peak stall torque	48 kg.cm			
					4-13	Stall current	5 A			
					Make table		CHECK	APPROVE		
					MR.ZHONG		MR.LIU	Manager.ZHOU		
The Drawings										
Photos1										
Photos2										

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.202501.3.02		
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						Prepare Date		20250105		
GSN		XQ-3S	Product Name	XQ-POWER 8.4V48kg-cm High Voltage Brushless Servo		Model	XQ-RS348	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 XQPOWER Port 端口 Torque Gain 力矩感度 (0-255) - 0 + Brake Gain 刹车感度 (0-1000) - 0 + Integral Gain 积分感度 (0-255) - 0 + Integral Speed 积分速度 (0-255 * 3ms) - 0 + MAX Duty 最大占空比 (0-399) - 0 + Left Angle Coefficient 左端角度比例 (0-255) - 0 + Right Angle Coefficient 右端角度比例 (0-255) - 0 + Min Pulse Width 最小位置 (us) - 500 + MAX Pulse Width 最大位置 (us) - 2500 + Sensitivity 灵敏度 (us) - 0 + Neutral Point 中点位置 (500-2500us) - 1500 + Reversed Rotation 反向旋转 ☐ Soft Start 缓启动开关 ☐ LOCK Protection 堵转保护开关 ☐ Read Parameter 参数读取 Write Parameter 参数写入 Open Parameter 打开参数 Save Parameter 保存参数 SERVO TOOL quality					NO.	Item		Specification		
					5-1	Command signal		PWM / 485		
					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		2 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					
					Photos1					
										
					Reference opinions of all departments: Agree					
					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)									
										
Make table		CHECK		APPROVE						
MR.ZHONG		MR.LIU		Manager.ZHOU						