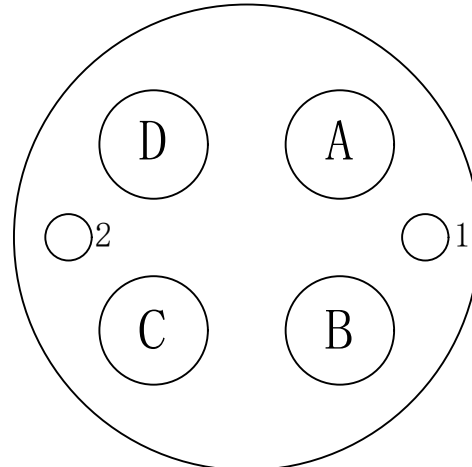
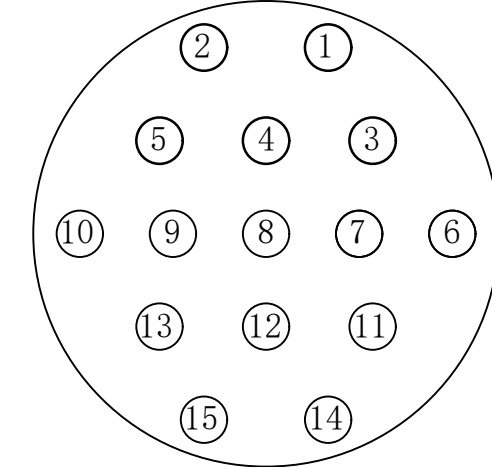


动力引出线 Power Connector					抱闸引出线 Brake Connector		编码器引出线 Encoder Connector						
位号 Terminal Number	A	B	C	F	1	2	1	3	4	6	7	8	9
颜色 Color	黄绿	蓝	黄	红	红(细)	黑(细)	屏蔽层	橙	蓝	灰	棕	红	绿
定义 Definition	PE	W	V	U	BK+	BK-	屏蔽线	485-	485+	GND	电池-	5V	电池+
													

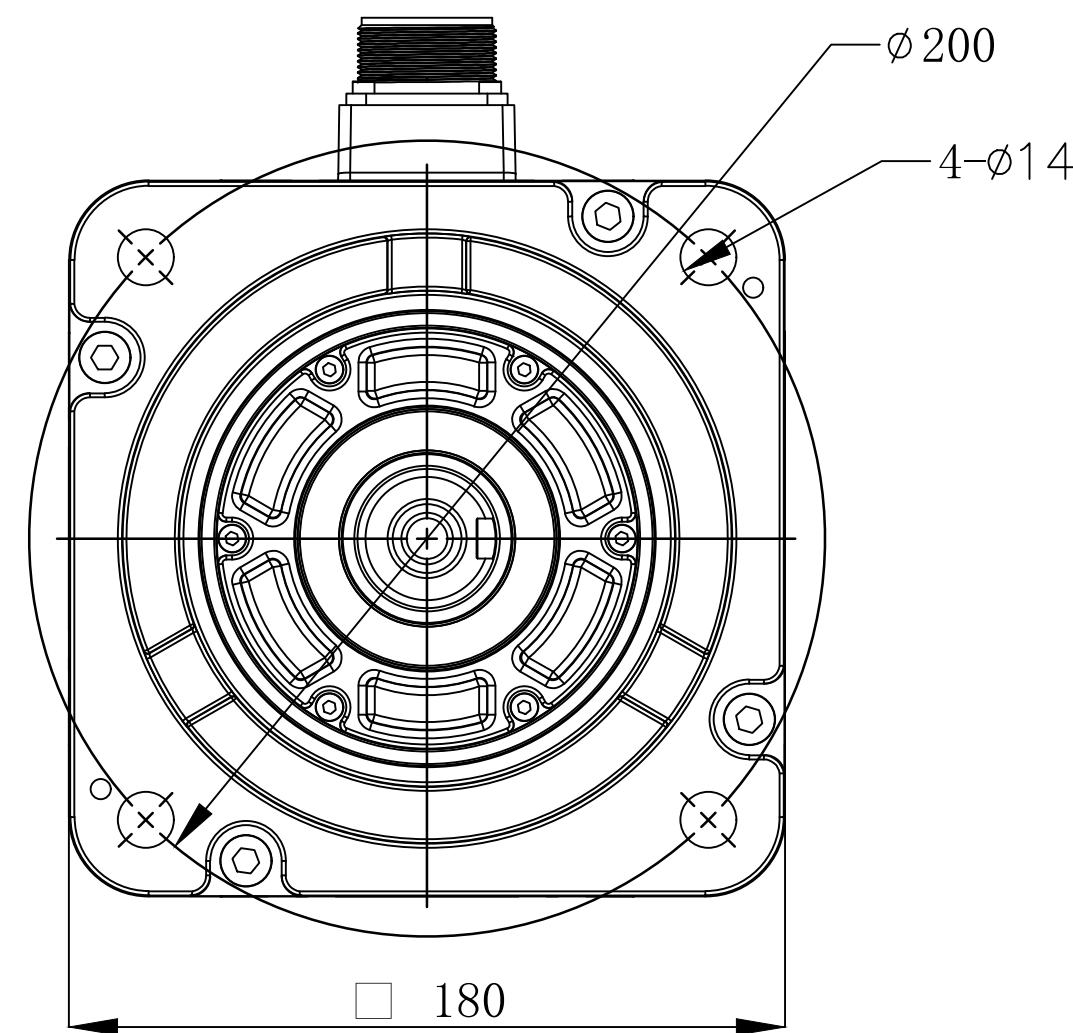
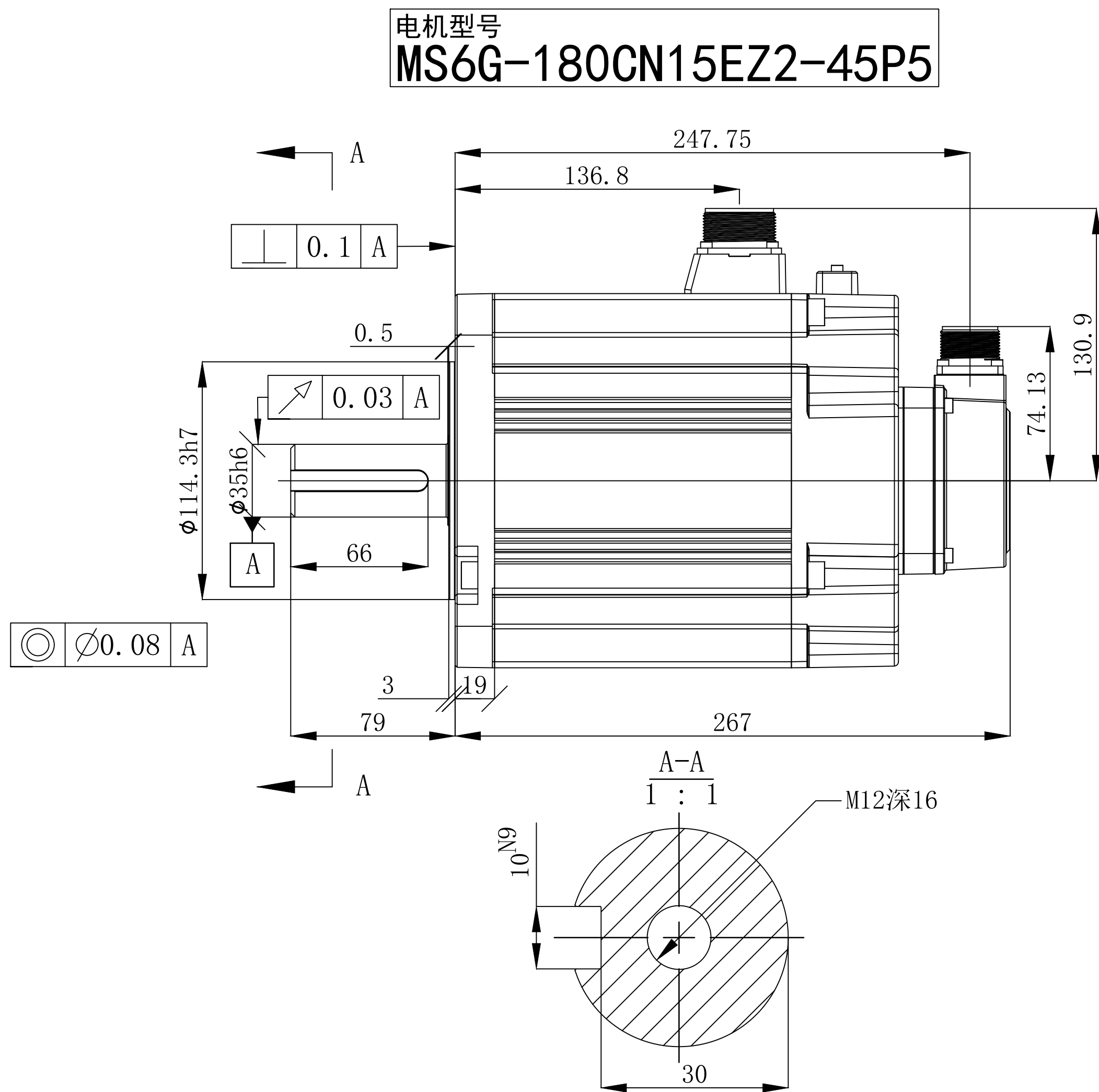
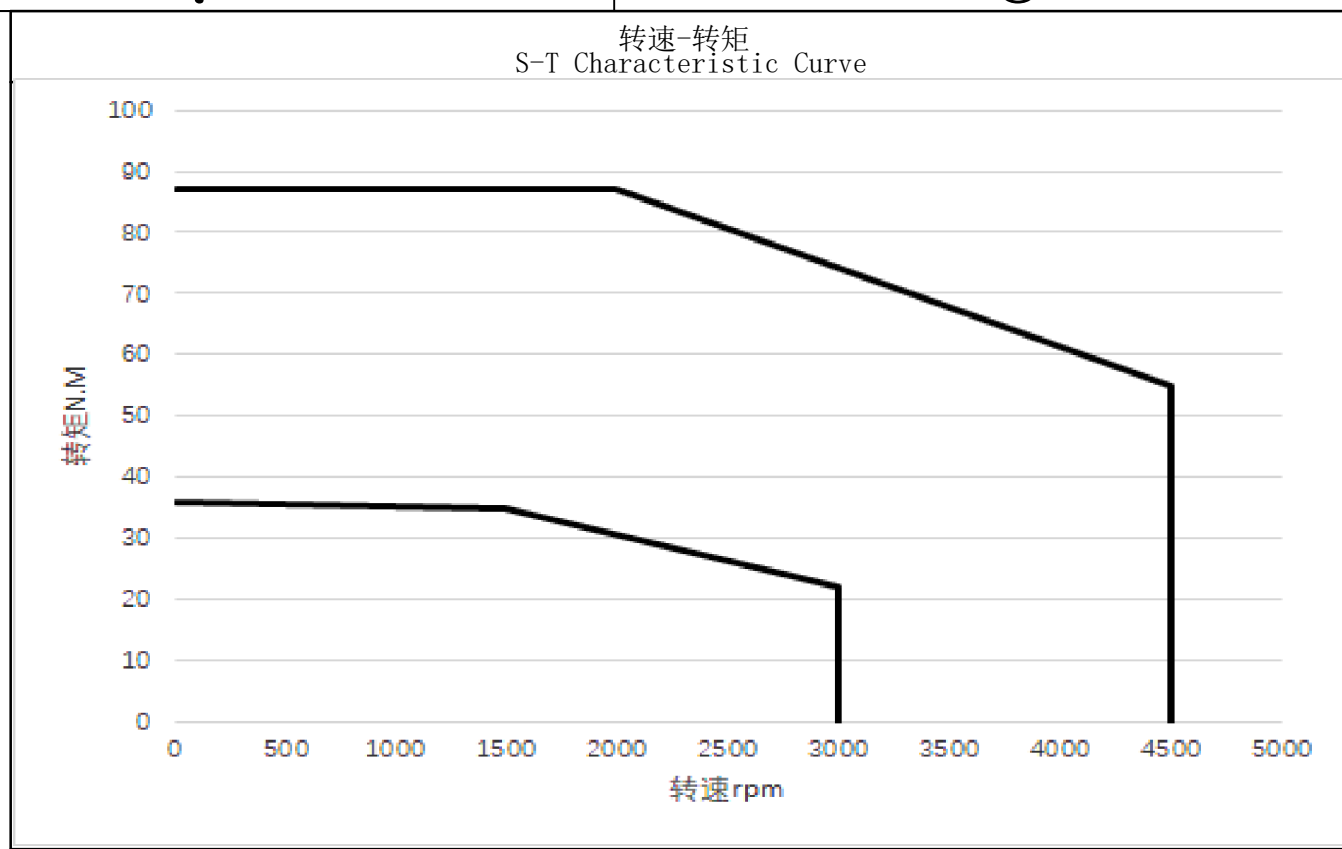
动力插头
Power Connector

Technical drawing of a Power Connector (动力插头) showing three views: side view, front view, and top view. The side view shows a cylindrical component with a threaded section and a flange. Dimensions include a length of (45.0), a flange thickness of (23.8), and a total height of 59.2±1.00. The front view shows a hexagonal base with a central circular feature. Dimensions include a top diameter of $\varnothing 40.0 \pm 0.50$, a base diameter of $\varnothing 21.00 \pm 0.50$, and a height of 33.0. The top view shows a circular flange with six mounting holes.

Encoder Connector

Technical drawing showing three views of the Encoder Connector with dimensions:

- Front View (Left):** Shows a hexagonal base with a central circular feature. Dimensions include a total width of 34.00 ± 0.50 , a base width of 32.30 ± 0.50 , and a height of 23.00 ± 0.50 .
- Side View (Top Right):** Shows the profile of the connector. Dimensions include a total height of 40.00 , a section height of 23.9 , and a total length of 56.40 ± 1.00 .
- Top View (Bottom):** Shows the circular face of the connector with a central hole and eight surrounding holes, along with the mounting flange.



抱闸属性 Properties of the Brake		
额定电压V Rated Voltage		24
静摩擦转矩N·m Static Friction Torque		55
转动惯量kg·m ² Rotor Moment of Inertia		7.65×10^{-4}
额定功率W Rated Power		31
吸引时间ms Suction Time		200
释放时间ms Release Time		100
吸引电压V Pickup Voltage		16.8
释放电压V Release Voltage		1
回转背隙 Rotational Clearance		≤1°, (20%额定扭矩测试)
备注 Remark	保持制动用, 禁止当刹车使用 Used to maintain braking, prohibit the use of brakes	

电机参数		Parameter
型号 Specification And Type	MSG6-180CN15E2Z-45P5	
惯量规格 Specification Of Inertia	中惯量	
额定功率kW Rated Power	5.5	
额定转矩N·m Rated torque	35	
瞬时最大转矩N·m Instantaneous Maximum Torque	87.5	
额定电流Arms Rated Current	20.5	
瞬时最大电流Arms Instantaneous Maximum Current	51.25	
额定转速rpm Rated Rotation Speed	1500	
最高转速rpm Maximum Rotation Speed	4500	
转动惯量kg·m ² Rotor Moment Of Inertia	100530×10 ⁻⁷	
电压等级V Voltage Level	380	
编码器规格 Specification Of The Encoder	19bit	
耐压等级 Pressure Class	1800V 60S	
绝缘电阻 Insulation Resistance	100M Ω DC500V以上 More than 100M Ω DC500V	
绝缘等级 Class Of Insulation	F	
防护等级 Protection Level	IP (不含轴端) IP (Exclude Shaft End)	
使用环境湿度RH Humidity Of Use Environment	20%~90%RH (不结露) 20%~90%RH (Non-dewfall)	
使用环境温度℃ Operating Ambient Temperature	-10℃~40℃ (不结露) -10℃~40℃ (Non-frozen)	
储存湿度RH Storage Humidity	20%~90%RH (不结露) 20%~90%RH (Non-dewfall)	
储存温度℃ Storage Temperature	-20℃~60℃	
冷却方式 Cooling Type	自然冷却	

										 无锡信捷电气股份有限公司 Wuxi Xinje Electric Co., Ltd.	
1	新归档/替换										
版本		更改方式		日期	签字	更改说明					
Edition		Modalities of the change		Date	Signature	Description of the change					
设计 Designed 校对 Proofread 审核 Checked 工艺 Processed											
				标准化		阶段标记		版本	重量	比例	5.5Kw伺服电机 MS6G-180CN15EZ2-45
						Stage Mark		Edition 1	Weight	Scale 1:5	
				会签							
				批准		共 1 张		第 1 张		Page 1 of 1	