

# ACJ系列工业矩形插头座

## ACJ Series Heavy Duty Connectors

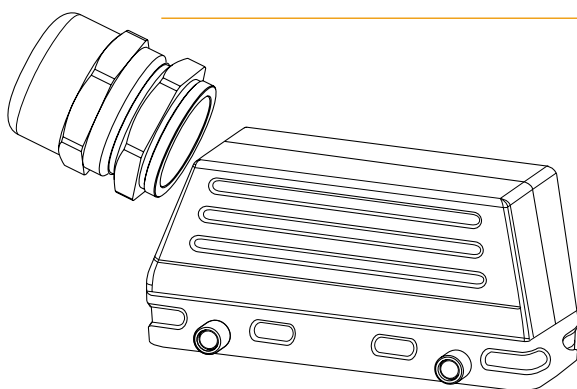
ACJ系列工业矩形插头座适用于交流50–60Hz，额定电压500V、额定电流至100A的机床及各类工业机械动力电路与电源，或控制电路与主机之间的连接。现已成为国际上通用的电器连接装置。

产品符合GB/T11918–2001、GB/T11919–2001等标准，并通过国家3C强制性认证，其产品设计先进，插针插孔采用高精度的合金材料，外部采用密闭的连锁机构，从而减少接触电阻增大通电能力，确保其正常可靠的通电连接性；一定的接通顺序和断开顺序，保护接极相和防误插入功底等措施。完全保证了可靠的安全使用性，产品出线口采用可密封的连接头，具有防水、防电、防尘的功能。

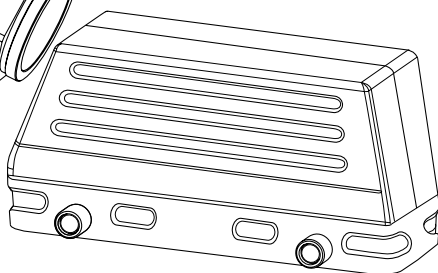
ACJ series heavy duty connectors is applicable to ac 50–60Hz, rated voltage 500V, rated current to 100A power of industrial machinery and power circuit, it provides lots of facilities for installation and maintenance in complex machinery.

ACJ series heavy duty connectors is widely used in electric machinery manufacture control equipment and where electric connection is required for power and signaling circuits.

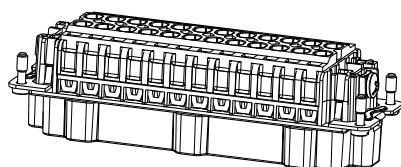
电缆接头  
Cable Gland



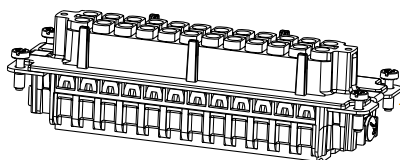
插头外壳  
Hood



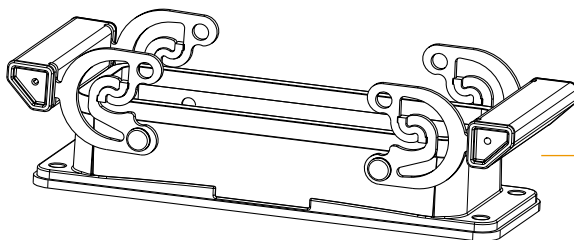
插头  
Male Insert



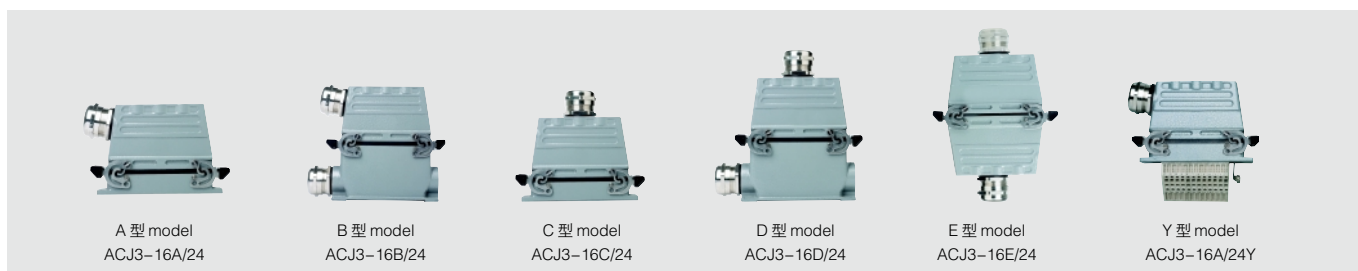
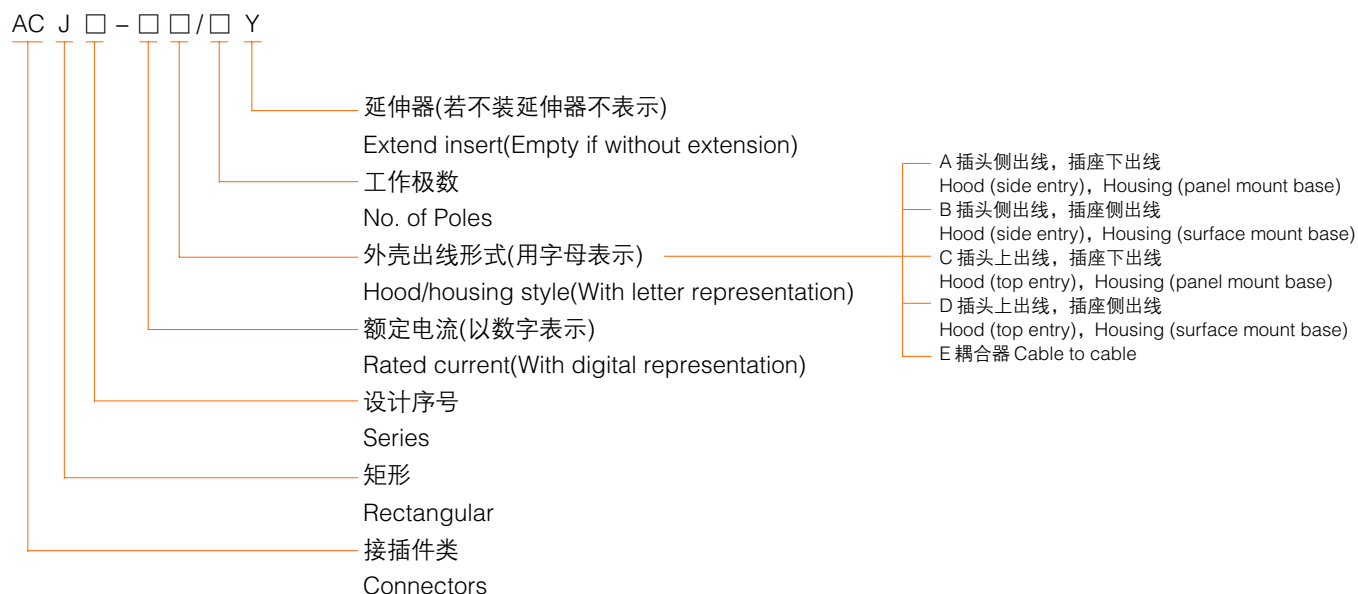
插座  
Female Insert



插座外壳  
Housing



## 产品描述说明 Product General Overview



## 使用条件 Use Condition

1. 周围空气温度上限不超过 +40℃
  2. 周围空气温度 24 小时平均值不超过 +35℃。
  3. 周围空气温度下限一般不低于 -5℃。
  4. 安装和使用地点的海拔高度不超过 2000 米。
  5. 大气相对湿度在周围空气为 +40℃, 在较低温度下, 可以有较高的相对湿度, 最湿月的平均最大相对湿度为 90%, 同时该月平均最低温度为 +25℃, 并考虑到温度变化发生在产品表面上的凝露。
  6. 污染等级为 2 级。
  - 7 防护等级为 IP65。
- 注: 插头座预期用于周围空气温度上限超过 +40℃ 或下限低于 -25℃ 的工作条件下, 请与本厂协商进行设计和使用。

1. Ambient air temperature does not exceed +40℃
2. Ambient air temperature 24-hour average does not exceed + 35℃
3. Ambient air temperature is lower than - 5℃ degrees commonly.
4. Installation and use of the site highly not more than 2,000 meters.
5. Air relative humidity in the ambient air in + 40℃, is under low temperature, can have high relative humidity, the biggest monthly average wet, relative humidity is 90% of the average minimum temperature for + 25℃, and considering the temperature changes in product on the surface of the condensation.
6. Pollution levels for grade 2.
7. Protection grade reaches IP65.

Note: the plug seats around the upper air temperature is expected for more than 40℃ or lower the working conditions -25℃ , please contact our design and consultation.

# IP 防护等级

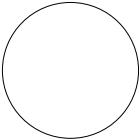






## Protection Level

I P 6 5

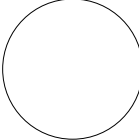
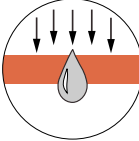
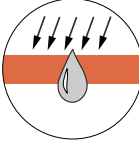
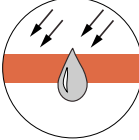
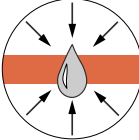
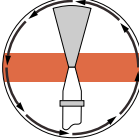
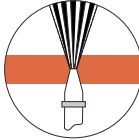
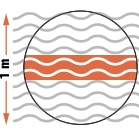
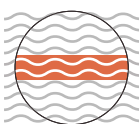
第二位数：防液体侵入级别  
Second number (Protection against liquids)

第一位数：防固体侵入级别  
First number (Protection against solid objects)

第一位数：防固体物侵入的级别  
First number (Protection against solid objects)

数字 Number		
0		无防护 No protection
1		防护大于 50mm 的物体(如手背) Protected against solids objects over 50mm (e.g. accidental touch by hands)
2		防护大于 12.5mm 的物体(如手指) Protected against solids objects over 12mm (e.g. fingers)
3		防护大于 2.5mm 的物体 (如工具或导线) Protected against solids objects over 2.5mm (e.g. tools and wires)
4		防护大于 1.0mm 的物体 (如导线或细棍) Protected against solids objects over 1mm (e.g. tools, wires and small wires)
5		防护足以造成危害的粉尘侵入 Protected against dust – limited ingress (no harmful deposit)
6		粉尘无法侵入 Totally protected against dust

第二位数：防液体侵入级别  
Second number (Protection against liquids)

数字 Number		
0		无防护 No protection
1		防护垂直滴水(如凝结液) Protected against vertically falling drops of water
2		防护下滴倾斜角度小于 15 度的滴水 Protected against direct sprays up to 15o from the vertical
3		防护下滴倾斜角度小于 60 度的滴水 Protected against direct sprays up to 60o from the vertical
4		防护来自各个方向的贱水 Protected against sprays from all directions – limited ingress permitted
5		防护来自各个方向的喷水 Protected against low pressure jets if water from all directions – limited ingress permitted
6		防护水塘或高喷水柱 Protected against strong jets of water e.g. for use on shipdecks – limited ingress permitted
7		埋于水中 150mm~1m 深，防止水的侵入 Protected against the effects of temporary immersion between 15cm and 1m. Duration of test 30 minutes
8		埋于水中，适合长时间浸入水中 Protected against long periods of immersion under pressure

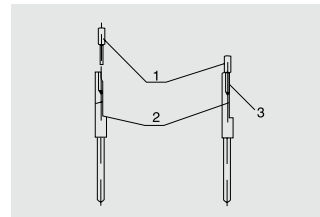
# 接线端子类型

## Terminal type

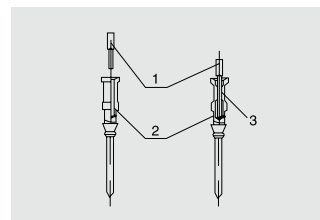
本厂接线端子全部采用不同规格的特制铜材加工而成，表面进行镀银、镀金处理，具有足够的导电截面积，保护其可靠接触，能够承受较大的电流、电压和短时峰值电流、电压。

Our factory terminals are all adopt different specifications of copper and silver plated surface, processing, have enough conductive area, ensure its reliable to contact the current, voltage and short-term peak current, voltage.

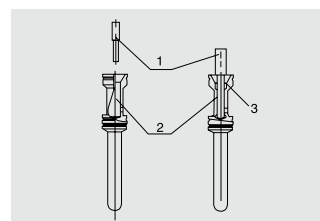
联接方式 connect	电流安培数 current	导线截面积 wire gauge	标号及描述 number and detail
焊接 welding	5A	0.5mm <sup>2</sup> –1mm <sup>2</sup>	1. 信号线 signal 2. 插针或插孔 contacts 3. 焊接牢固处 welding here



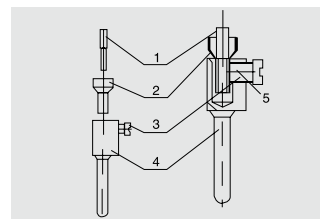
联接方式 connect	电流安培数 current	导线截面积 wire gauge	标号及描述 number and detail
冷压 crimp	10A	0.75mm <sup>2</sup> –1.5mm <sup>2</sup>	1. 信号线 signal 2. 插针或插孔 contacts 3. 压线钳压接牢固处 crimp here



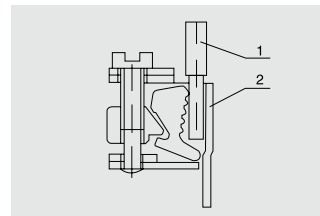
联接方式 connect	电流安培数 current	导线截面积 wire gauge	标号及描述 number and detail
冷压 crimp	16A	1mm <sup>2</sup> –2.5mm <sup>2</sup>	1. 信号线 signal 2. 插针或插孔 contacts 3. 压线钳压接牢固处 crimp here



联接方式 connect	电流安培数 current	导线截面积 wire gauge	标号及描述 number and detail
螺钉压接 screw	16A	1mm <sup>2</sup> –2.5mm <sup>2</sup>	1. 信号线 signal
	35A	2.5mm <sup>2</sup> –6mm <sup>2</sup>	2. 管形接线端子 tubular terminals
	80A	1.5mm <sup>2</sup> –16mm <sup>2</sup>	3. 紧线螺钉 screw 4. 插针或插孔 contacts 5. 螺钉压接牢固处 screw here



联接方式 connect	电流安培数 current	导线截面积 wire gauge	标号及描述 number and detail
滑块压接(延伸器用) piece terminal	16A	1mm <sup>2</sup> –2.5mm <sup>2</sup>	1. 信号线 Signal 2. 接线端 wiring



连接方式 connect	电流安培数 current	导线截面积 wire gauge	标号及描述 number and detail
轴向连接式 axial screw terminal	100A	16mm <sup>2</sup> –35mm <sup>2</sup>	

