

**螺栓接线**

- 3、4、10、16、32芯
- 电流：10A、16A

**A系列**

3+⊕



4+⊕



10+⊕



16+⊕



32+⊕





TUV SUD



ISO9001

ISO14001

ISO45001

上海华伦电连接器  
Shanghai Hualun Connector

## HLA系列

## 技术特性

### ■ 绝缘体

接触对数量: 3、4、10、16  
32(2×16)+PE

**HLA 3 或 4 :** 10A 230/400V 4KV 3

工作电流  
工作电压  
额定冲击电压  
污染等级

或 10A 250V 4KV 3

**HLA 10、16 或 32 :** 16A 250V 4KV 3

工作电流  
工作电压  
额定冲击电压  
污染等级

-污染等级2也可 16A 230/400V 4KV 2

依照UL/CSA工作电压 600V  
绝缘电阻  $\geq 10^{10} \Omega$   
材料 聚碳酸脂  
温度范围  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$   
可燃性, 依照UL 94 V-0  
机械寿命(测试)  $\geq 500$ 次

### ■ 接触件

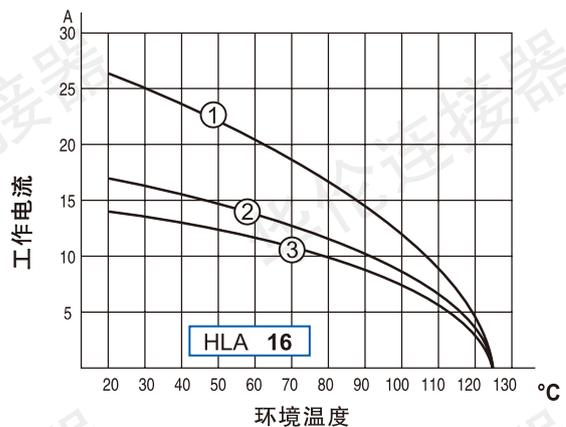
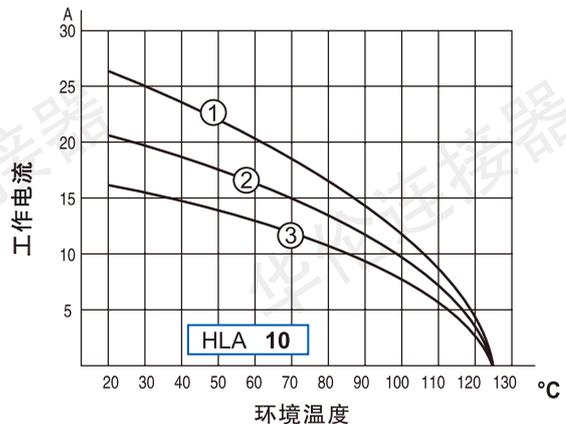
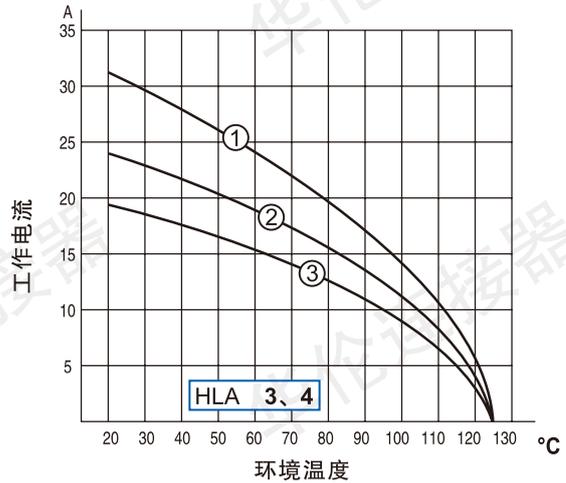
材料 铜合金  
表面-镀银  $3 \mu\text{m Ag}$   
接触电阻  $\leq 1\text{m}\Omega$   
螺纹端接线  $\text{mm}^2$  2.5  $\text{mm}^2$   
AWG 14AWG

-紧固/测试扭矩 HLA 3、4: 0.25 Nm  
HLA10、16、32: 0.5 Nm

### ■ 载流能力

随着环境温度的升高, 连接器接触件芯数的增加等原因, 接触件的载流量应作相应的降低。

### 电流下降图表



① 线规: 2.5mm<sup>2</sup> ② 线规: 1.5mm<sup>2</sup> ③ 线规: 1mm<sup>2</sup>

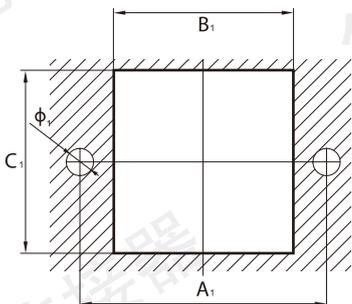
### ■ 防护罩壳

材料 铸铝合金  
表面 粉末喷涂  
按照IEC\EN60529外壳防护等级 IP65/IP67

A

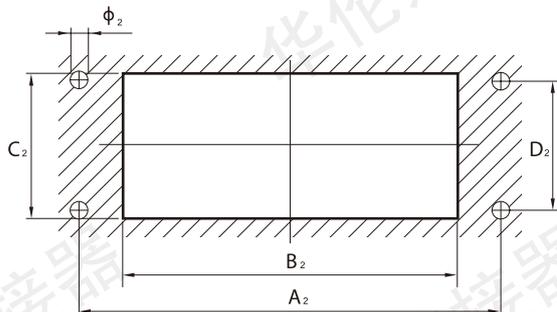
## 安装面板开孔尺寸

### A系列3、4芯防护罩壳



型号	A <sub>1</sub> (mm)	B <sub>1</sub> (mm)	C <sub>1</sub> (mm)	φ <sub>1</sub> (mm)
HLA 3、4	30	22	22	3.3

### A系列10、16、32芯防护罩壳



型号	A <sub>2</sub> (mm)	B <sub>2</sub> (mm)	C <sub>2</sub> (mm)	D <sub>2</sub> (mm)	φ <sub>2</sub> (mm)
HLA 10	70	57	24	17.5	3.3
HLA 16	86	73	24	17.5	3.3
HLA 32	92	73	48	42	4.4

## — A系列连接器 —

### HLA 3 & 4

230/400V 10A

P (公)

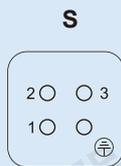
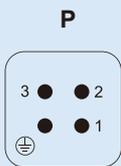
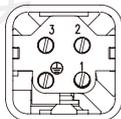
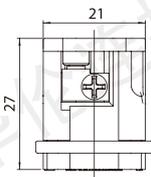
芯位排序  
耦合端面

S (母)



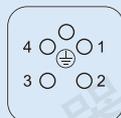
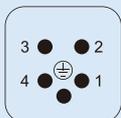
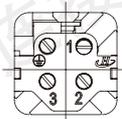
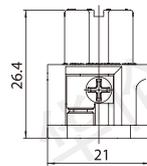
3P+ ⊕

订购代码  
**HLA3P**



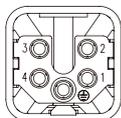
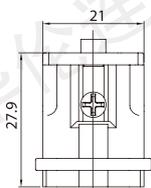
3S+ ⊕

订购代码  
**HLA3S**



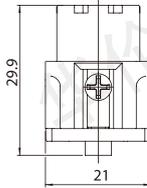
4P+ ⊕

订购代码  
**HLA4P**



4S+ ⊕

订购代码  
**HLA4S**



注：防护罩壳见第9页



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ISO9001

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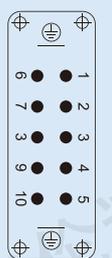
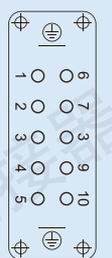
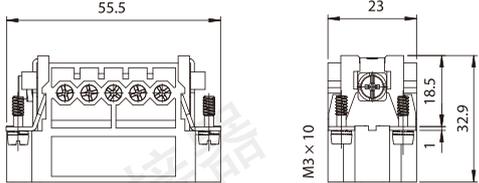
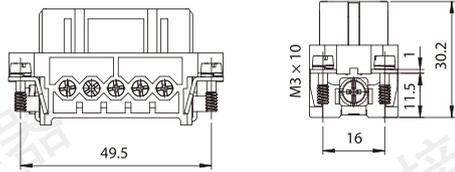
ISO45001

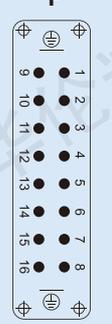
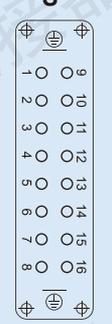
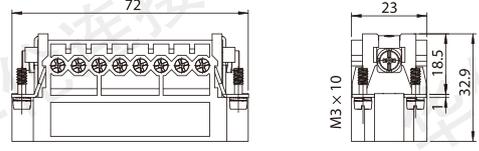
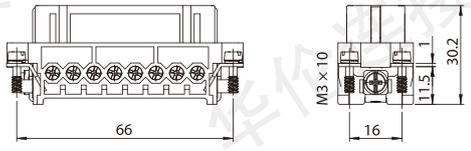


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# — A系列连接器 —

A

HLA10		250V 16A	
<b>P (公)</b>	<b>芯位排序 耦合端面</b>	<b>S (母)</b>	
<b>10P + ⊕</b>  订购代码 <b>HLA10P</b>	<b>P</b> 	<b>S</b> 	<b>10S + ⊕</b>  订购代码 <b>HLA10S</b>
		<b>注: 防护罩壳见第10页</b>	

HLA16		250V 16A	
<b>P (公)</b>	<b>芯位排序 耦合端面</b>	<b>S (母)</b>	
<b>16P + ⊕</b>  订购代码 <b>HLA16P</b>	<b>P</b> 	<b>S</b> 	<b>16S + ⊕</b>  订购代码 <b>HLA16S</b>
		<b>注: 防护罩壳见第11页</b>	

## — A系列连接器 —

**HLA32**

**250V 16A**

**P (公)**

芯位排序  
耦合端面

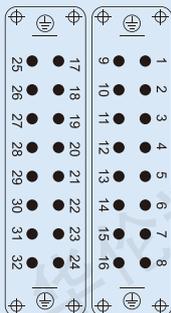
**S (母)**

**32P + ⊕**

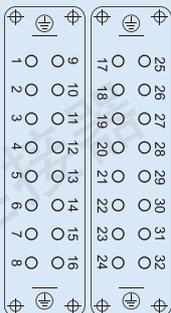


订购代码 **HLA32P**

**P**



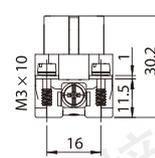
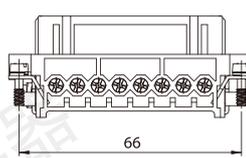
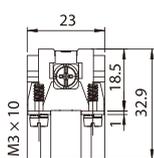
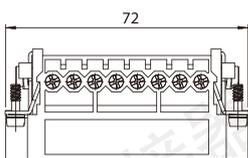
**S**



**32S + ⊕**



订购代码 **HLA32S**



**注: 防护罩壳见第12页**

**A**



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ISO9001

ISO14001

ISO45001

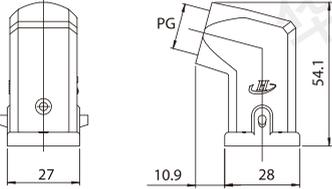
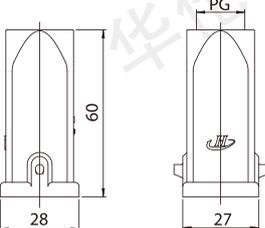


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# A系列防护罩壳 A3、A4 选配代码

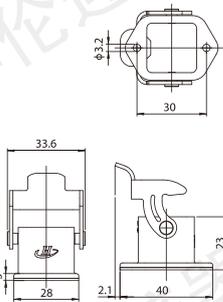
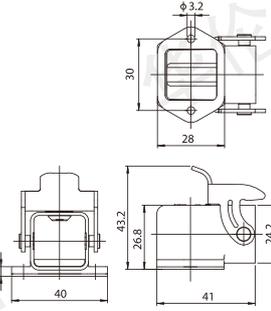
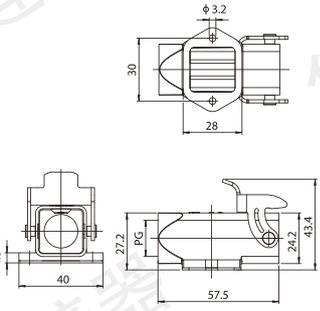
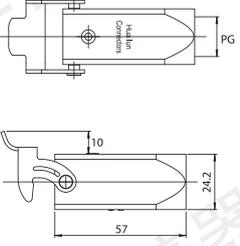
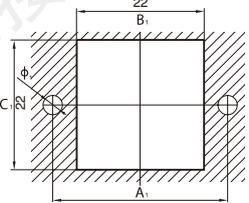
## 插头

接头规格见P98~100页

防护罩壳—插头	<b>SEL</b> 侧引线 配接头PG11 	<b>TEL</b> 上引线 配接头PG11 
代码	<b>HLA3SEL</b> <b>HLA4SEL</b>	<b>HLA3TEL</b> <b>HLA4TEL</b>
尺寸图		

A

## 插座

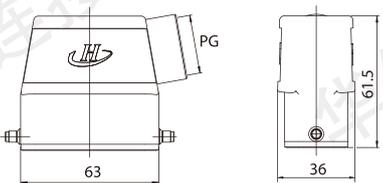
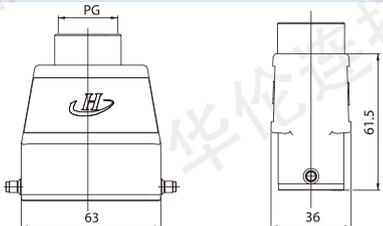
防护罩壳—插座	<b>BHL</b> 面板开孔 	<b>BSL</b> 面板开孔侧连接 	<b>OSL</b> 侧连接侧引线 配接头PG11 	<b>CCL</b> 对接 配接头PG11 										
代码	<b>HLA3BHL</b> <b>HLA4BHL</b>	<b>HLA3BSL</b> <b>HLA4BSL</b>	<b>HLA3OSL</b> <b>HLA4OSL</b>	<b>HLA3CCL</b> <b>HLA4CCL</b>										
尺寸图														
<p>安装面板开孔尺寸</p>  <table border="1" data-bbox="673 1880 1056 1944"> <thead> <tr> <th>型号</th> <th>A<sub>1</sub>(mm)</th> <th>B<sub>1</sub>(mm)</th> <th>C<sub>1</sub>(mm)</th> <th>φ<sub>1</sub>(mm)</th> </tr> </thead> <tbody> <tr> <td>HLA 3、4</td> <td>30</td> <td>22</td> <td>22</td> <td>3.3</td> </tr> </tbody> </table> <p>单位：mm</p>					型号	A <sub>1</sub> (mm)	B <sub>1</sub> (mm)	C <sub>1</sub> (mm)	φ <sub>1</sub> (mm)	HLA 3、4	30	22	22	3.3
型号	A <sub>1</sub> (mm)	B <sub>1</sub> (mm)	C <sub>1</sub> (mm)	φ <sub>1</sub> (mm)										
HLA 3、4	30	22	22	3.3										

# — A系列防护罩壳 —

## A10 选配代码

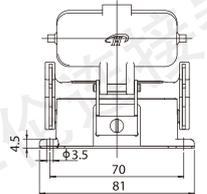
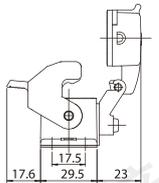
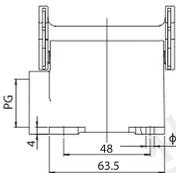
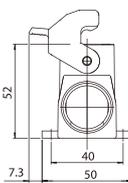
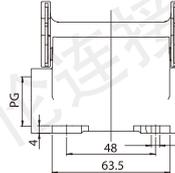
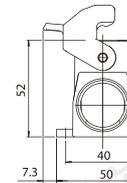
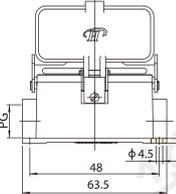
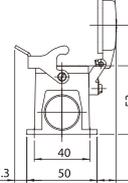
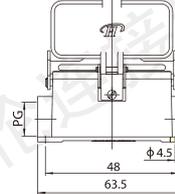
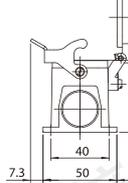
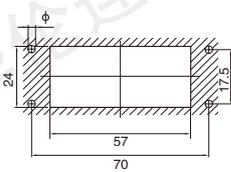
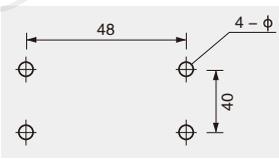
### 插头

接头规格见P98~100页

防护罩壳—插头	<p><b>SEL</b> 侧引线</p>  <p>配PG16接头</p>	<p><b>TEL</b> 上引线</p>  <p>配PG16接头</p>
代码	<b>HLA10SEL</b>	<b>HLA10TEL</b>
尺寸图		



### 插座

防护罩壳—插座	<p><b>BCL</b> 面板开孔 带防尘盖 通底</p> 	<p><b>OSL</b> 单侧引线 封底</p>  <p>配接头 PG21 PG16</p>	<p><b>TSL</b> 双侧引线 封底</p>  <p>配接头 PG21 PG16</p>	<p><b>OCL</b> 单侧引线 带防尘盖 封底</p>  <p>配接头 PG21 PG16</p>	<p><b>TCL</b> 双侧引线 带防尘盖 封底</p>  <p>配接头 PG21 PG16</p>
代码	<b>HLA10BCL</b>	<b>HLA10OSL</b>	<b>HLA10TSL</b>	<b>HLA10OCL</b>	<b>HLA10TCL</b>
尺寸图	 	 	 	 	 
	<p>安装面板 开孔尺寸</p> 	<p>安装面板 不开长方孔 按中心距钻四孔</p> 			

单位: mm



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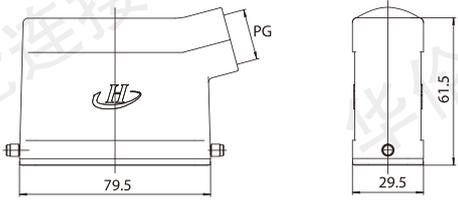
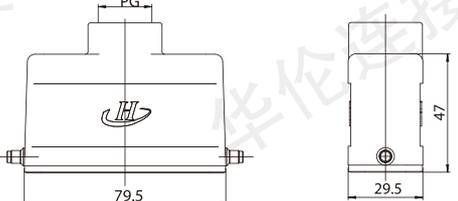
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# A系列防护罩壳

## A16 选配代码

### 插头

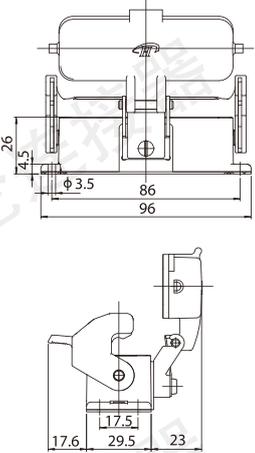
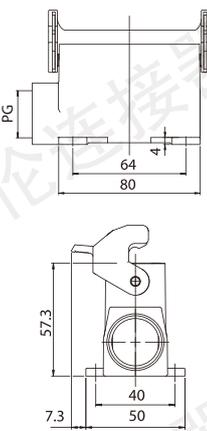
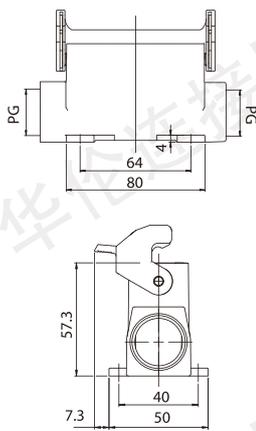
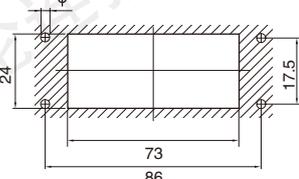
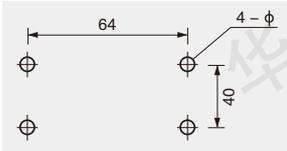
接头规格见P98~100页

防护罩壳—插头	<b>SEL</b> 侧引线  配接头 PG16 PG13.5	<b>TEL</b> 上引线  配接头 PG16 PG13.5
代码	<b>HLA16SEL</b>	<b>HLA16TEL</b>
尺寸图		

A

### 插座



防护罩壳—插座	<b>BCL</b> 面板开孔 带防尘盖 通底 	<b>OSL</b> 单侧引线 封底  配接头 PG16 PG13.5	<b>TSL</b> 双侧引线 封底  配接头 PG16 PG13.5
代码	<b>HLA16BCL</b>	<b>HLA16OSL</b>	<b>HLA16TSL</b>
尺寸图			
	<b>安装面板 开孔尺寸</b> 	<b>安装面板 不开长方孔 按中心距钻四孔</b> 	

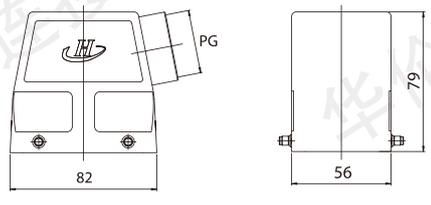
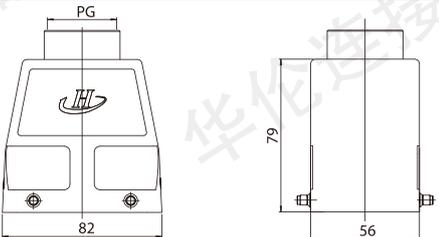
单位: mm

# — A系列防护罩壳 —

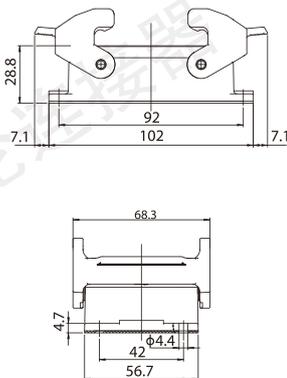
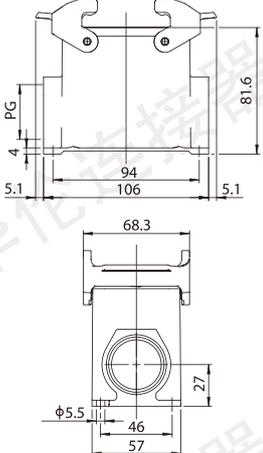
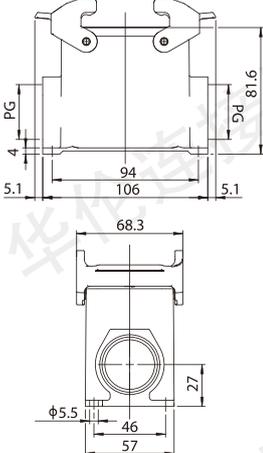
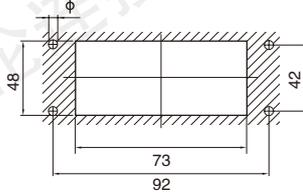
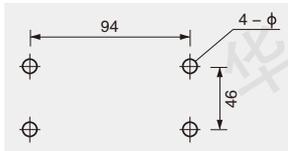
## A32选配代码

### 插头

接头规格见P98~100页

防护罩壳—插头	<b>SE</b> 侧引线  配接头 PG21 PG29	<b>TE</b> 上引线  配接头 PG21 PG29
	<b>HLA32SE</b>	<b>HLA32TE</b>
	 82, 56, 79, PG	 82, 56, 79, PG

### 插座

防护罩壳—插座	<b>BH</b> 面板开孔 通底 	<b>OS</b> 单侧引线 封底  配接头 PG21 PG29	<b>TS</b> 双侧引线 封底  配接头 PG21 PG29
	<b>HLA32BH</b>	<b>HLA32OS</b>	<b>HLA32TS</b>
	 28.8, 7.1, 92, 102, 7.1, 68.3, 4.7, 42, 56.7, φ4.4	 4, PG, 81.6, 5.1, 94, 106, 5.1, 68.3, φ5.5, 46, 57, 27	 4, PG, 81.6, 5.1, 94, 106, 5.1, 68.3, φ5.5, 46, 57, 27
安装面板 开孔尺寸  φ, 48, 73, 92, 42	安装面板 不开长方孔 按中心距钻四孔  94, 4-φ, 46		

单位: mm