



TUV SUD



ISO9001 ISO14001 GB/T28001

**Renhotec**

# HLK4/0、4/2

## Technical Characteristics 技术特性

### Inserts 绝缘体

Number of contacts: 4/0+PE、4/2+PE  
接触对数量: 8/0(4/0 × 2)+PE  
8/4(4/2 × 2)+PE

Power area 电源	80A	690V	8KV	3
Working current 工作电流	[Step function graph]			
Working voltage 工作电压	[Step function graph]			
Rated impulse voltage 额定冲击电压	[Step function graph]			
Pollution degree 污染等级	[Step function graph]			

Signal area 信号	16A	400V	6KV	3
Working current 工作电流	[Step function graph]			
Working voltage 工作电压	[Step function graph]			
Rated impulse voltage 额定冲击电压	[Step function graph]			
Pollution degree 污染等级	[Step function graph]			

-Pollution degree 2 also  
-污染等级2也可

16A	400/690V	6KV	2
[Step function graph]			

Working voltage acc.to UL-CSA  
依照UL/CSA 工作电压

600V / 300V
[Step function graph]

Insulation resistance  
绝缘电阻

≥ 10 <sup>10</sup> Ω
[Step function graph]

Material  
材料

Polycarbonate 聚碳酸酯
[Step function graph]

Temperature range  
温度范围

-40°C ~ +125°C
[Step function graph]

Flammability acc.to UL 94 V-0  
可燃性, 依照UL94 V-0

Mechanical working life  
-mating cycles ≥ 500  
机械寿命

### Contacts 接触对

#### Power area 电源

Material  
材料

Copper alloy 铜合金
[Step function graph]

Surface-silver plated  
表面-镀银

3 μ m Ag
[Step function graph]

Contact resistance  
接触电阻

≤ 0.3 mΩ
[Step function graph]

Screw terminal -mm<sup>2</sup>  
螺纹端接线

1.5 ~ 16mm <sup>2</sup>
[Step function graph]

-AWG  
16 ~ 6 AWG

-Tightening/test torque  
-紧固/测试扭矩

mm <sup>2</sup>	1.5	2.5	4	6	10	16
Nm	1.2	2	3	3	3	3

#### Signal area 信号

Material  
材料

Copper alloy 铜合金
[Step function graph]

Surface-silver plated  
表面-镀银

3 μ m Ag
[Step function graph]

Contact resistance  
接触电阻

≤ 1mΩ
[Step function graph]

Screw terminal -mm<sup>2</sup>  
螺纹端接线

0.5 ~ 2.5mm <sup>2</sup>
[Step function graph]

-AWG  
20 ~ 14 AWG

-Tightening/test torque  
-紧固/测试扭矩

0.5 Nm
[Step function graph]

HLK

## Current Carrying Capacity

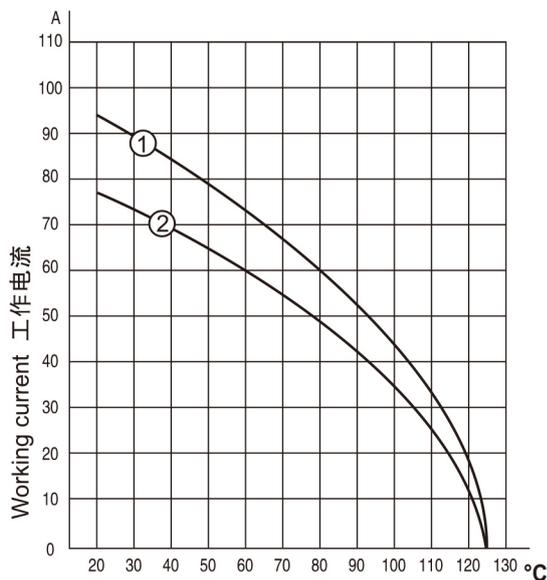
### 载流能力

Current-carrying capacity tends to decline with the ambient temperature going higher and its contacts increasing.

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。

## Current De-rating

### 电流下降图表



Ambient temperature 环境温度

- ① Wire gauge: 16mm<sup>2</sup>  
线规: 16mm<sup>2</sup>
- ② Wire gauge: 10mm<sup>2</sup>  
线规: 10mm<sup>2</sup>

## Hoods/Housings

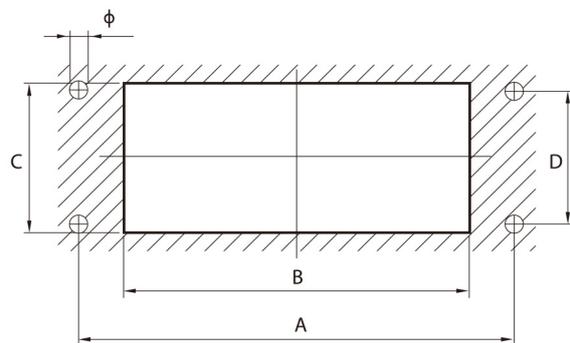
### 外壳

Same to HLE

与HLE型相同

## Mounting Dimension

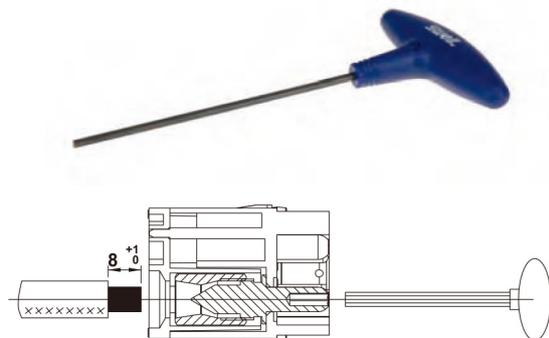
### 面板开孔尺寸



Type 型号	A(mm)	B(mm)	C(mm)	D(mm)	φ (mm)
HLK 4/0,4/2	103	82	35	32	4.4
HLK 8/0,8/2	110	86	71	65	5.5

## Screwdriver (For axial setscrew)

### 螺丝刀(用于轴心螺丝)





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## HLK 4/0、4/2

690V

80A/16A

Number of contacts  
接触对数量

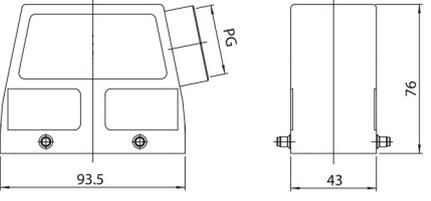
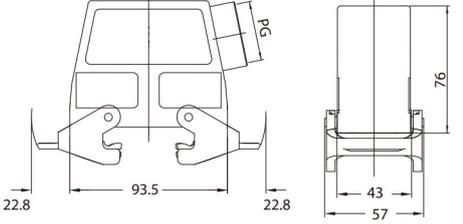
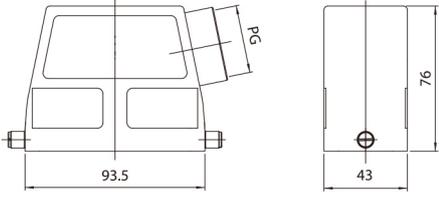
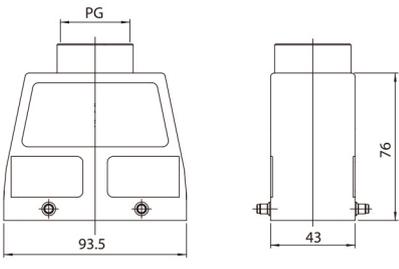
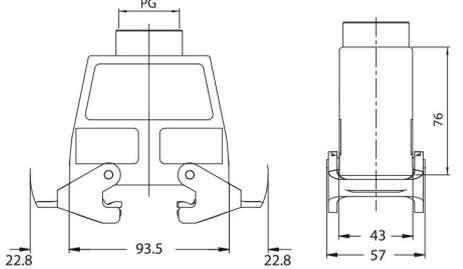
4/0、4/2 +

Inserts  
内芯



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K4/0P		
	K4/0S		<p>View from termination side 从接线端面观察</p>
	K4/2P		
	K4/2S		

HLK

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K4/0SE K4/2SE	PG29 M32	
	K4/0SL K4/2SL	PG29 M32	
	K4/0SEL K4/2SEL	PG29 M32	
	K4/0TE K4/2TE	PG29 M32	
	K4/0TL K4/2TL	PG29 M32	



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Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K4/0TEL K4/2TEL	PG29 M32	
	K4/0BH K4/2BH		
	K4/0BC K4/2BC		
	K4/0BHL K4/2BHL		
	K4/0BCL K4/2BCL		

HLK

## HLK4/0、4/2 Shell Code HLK4/0、4/2 外壳互配图示

### Plug 插头

**SE**  
Side Entry  
侧引线



**TE**  
Top Entry  
上引线



### Receptacle 插座



**BH**  
Bulkhead  
面板开孔



### Plug 插头

**SEL**  
Side Entry  
侧引线



**TEL**  
Top Entry  
上引线



### Receptacle 插座



**BHL**  
Bulkhead  
面板开孔



**BCL**  
Bulkhead  
With Cap  
面板开孔  
带防尘盖



### Plug 插头

**SL**  
Side Entry  
侧引线



**TL**  
Top Entry  
上引线



### Receptacle 插座



**BC**  
Bulkhead  
With Cap  
面板开孔  
带防尘盖





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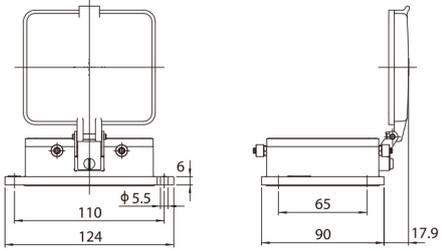
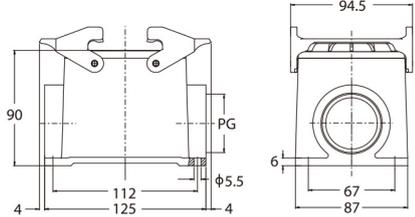
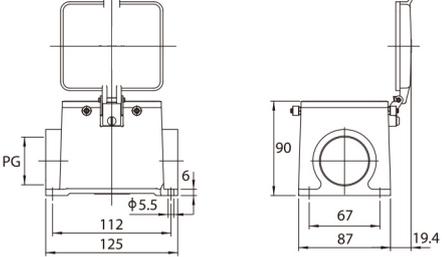
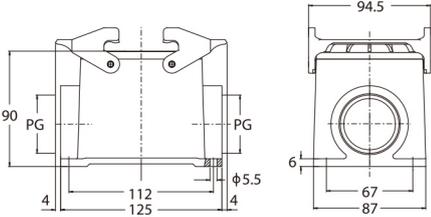
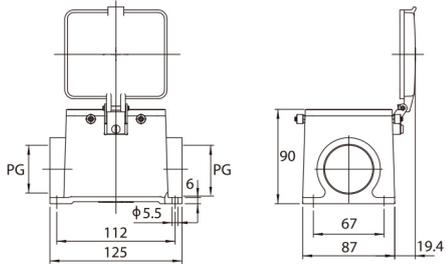


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Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K8/0SE K8/4SE	PG36 PG29 M40 M32	
	K8/0SL K8/4SL	PG36 PG29 M40 M32	
	K8/0TE K8/4TE	PG36 PG29 M40 M32	
	K8/0TL K8/4TL	PG36 PG29 M40 M32	
	K8/0BH K8/4BH		

HLK

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	<p>K8/0BC K8/4BC</p>		
	<p>K8/0OS K8/4OS</p>	<p>PG36 PG29 M40 M32</p>	
	<p>K8/0OC K8/4OC</p>	<p>PG36 PG29 M40 M32</p>	
	<p>K8/0TS K8/4TS</p>	<p>PG36 PG29 M40 M32</p>	
	<p>K8/0TC K8/4TC</p>	<p>PG36 PG29 M40 M32</p>	



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## HLK8/0、8/4 Shell Code HLK8/0、8/4 外壳互配图示

### Plug 插头



### Receptacle 插座



### Plug 插头



### Receptacle 插座



HLK

## HLK4/8

## Technical Characteristics 技术特性

### Inserts

#### 绝缘体

Number of contacts:  
接触对数量: 4/8+PE、8/16(4/8 × 2)+PE

**Power area 电源**      **80A**    **690V**    **6 KV**    **3**

Working current  
工作电流

Working voltage  
工作电压

Rated impulse voltage  
额定冲击电压

Pollution degree  
污染等级

-Pollution degree 2 also  
-污染等级2也可      80A    400/690V    6KV    2

**Signal area 信号**      **16A**    **400V**    **6 KV**    **3**

Working current  
工作电流

Working voltage  
工作电压

Rated impulse voltage  
额定冲击电压

Pollution degree  
污染等级

Working voltage acc.to UL-CSA  
依照UL/CSA 工作电压      600V / 600V

Insulation resistance  
绝缘电阻       $\geq 10^{10} \Omega$

Material  
材料      Polycarbonate  
聚碳酸酯

Temperature range  
温度范围      -40°C ~ +125°C

Flammability acc.to UL 94 V-0

可燃性, 依照UL94 V-0

Mechanical working life  
-mating cycles       $\geq 500$   
机械寿命

### Contacts

#### 接触对

**Power area 电源**

Material  
材料      Copper alloy  
铜合金

Surface-silver plated  
表面-镀银      3  $\mu$  m Ag

Contact resistance  
接触电阻       $\leq 0.3 \text{ m}\Omega$

Screw terminal  
螺纹端接线      -mm<sup>2</sup>      1.5 ~16mm<sup>2</sup>

-AWG      16 ~6 AWG

-Tightening/test torque  
-紧固/测试扭矩

mm <sup>2</sup>	1.5	2.5	4	6	10	16
Nm	1.2	2	3	3	3	3

**Signal area 信号**

Material  
材料      Copper alloy  
铜合金

Surface-silver plated  
表面-镀银      3  $\mu$  m Ag

Contact resistance  
接触电阻       $\leq 1 \text{ m}\Omega$

Screw terminal  
螺纹端接线      -mm<sup>2</sup>      0.5 ~2.5mm<sup>2</sup>

-AWG      20 ~14 AWG

-Tightening/test torque  
-紧固/测试扭矩      0.5 Nm



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## Current Carrying Capacity

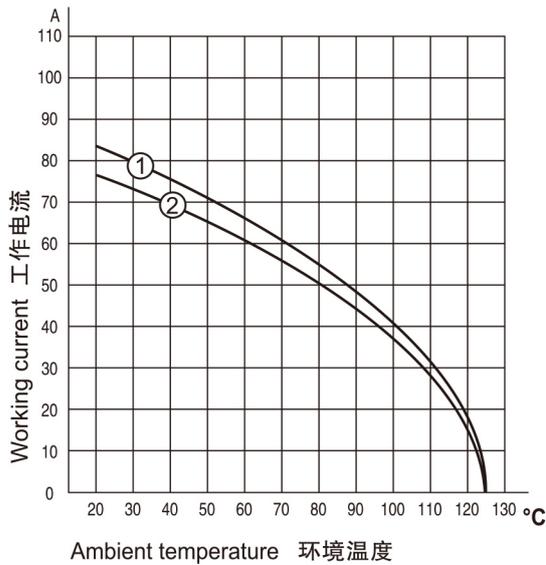
### 载流能力

Current-carrying capacity tends to decline with the ambient temperature going higher and its contacts increasing.

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。

### Current De-rating

#### 电流下降图表



- ① Wire gauge: 16 mm<sup>2</sup>  
线规: 16 mm<sup>2</sup>
- ② Wire gauge: 10 mm<sup>2</sup>  
线规: 10 mm<sup>2</sup>

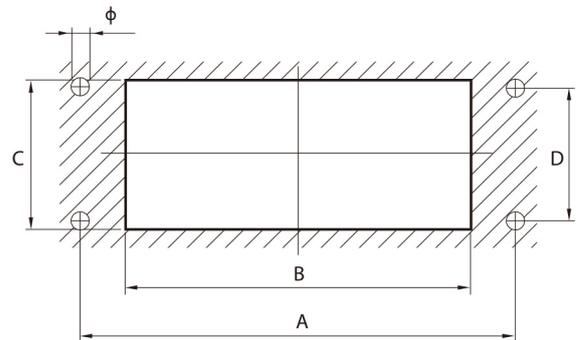
## Hoods/Housings

### 外壳

Same to HLE  
与HLE型相同

## Mounting Dimension

### 面板开孔尺寸



Type 型号	A(mm)	B(mm)	C(mm)	D(mm)	φ (mm)
HLK 4/8	130	108	35	32	4.4
HLK 8/16	148	117	81	70	6.4

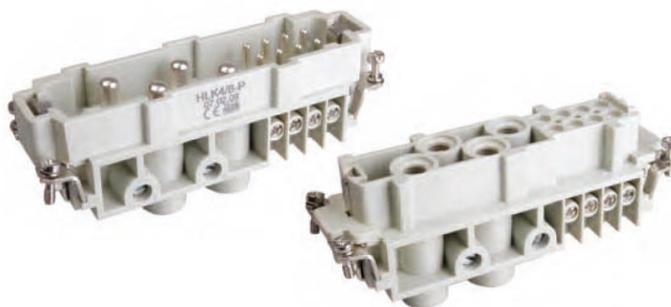
## HLK 4/8

690V 80A/16A

Number of contacts  
接触对数量

4/8 +

Inserts  
内芯



Identification  
外形

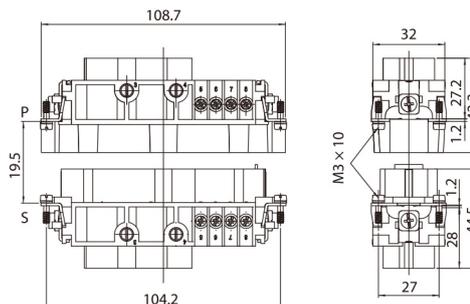
Part No.  
代码

PG / M

Drawing  
尺寸图

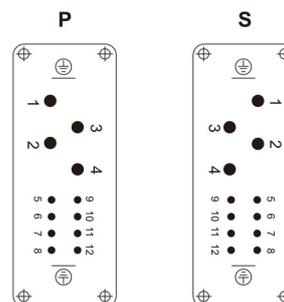


K4/8P



K4/8S

Contact arrangement View from termination side  
芯数排布 从接线端面观察



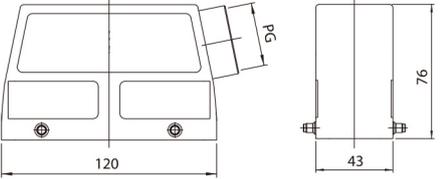
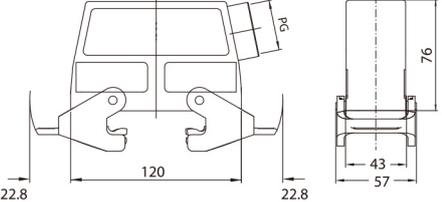
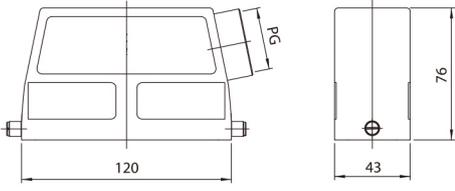
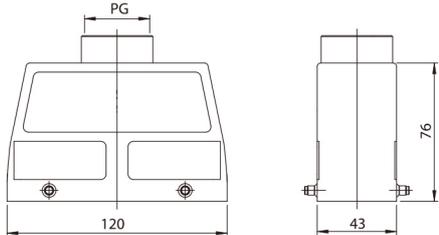
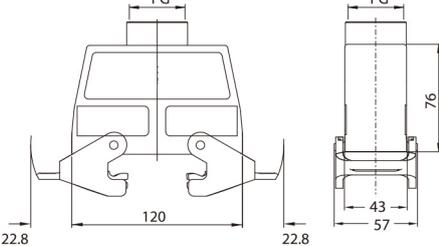


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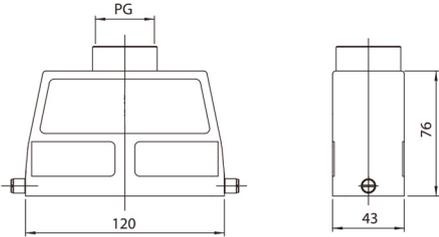
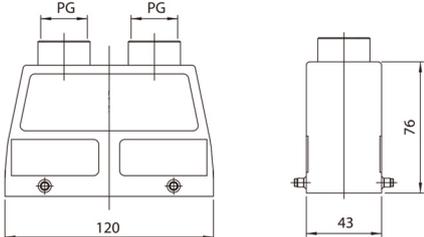
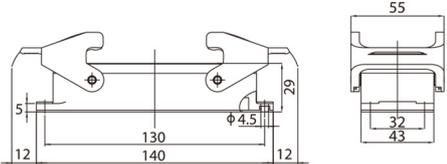
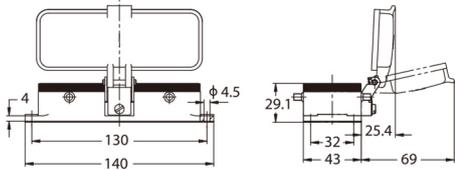
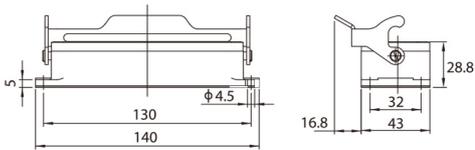


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Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K4/8SE	PG29 PG21 PG16 M32 M25 M20	
			
			
	K4/8TE	PG29 PG21 PG16 M32 M25 M20	
			

HLK

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	<p>K4/8TEL</p>	<p>PG29 PG21 PG16 M32 M25 M20</p>	
	<p>K4/8TT</p>	<p>PG21 PG16 M25 M20</p>	
  	<p>K4/8BH</p> <p>K4/8BC</p> <p>K4/8BHL</p>		  

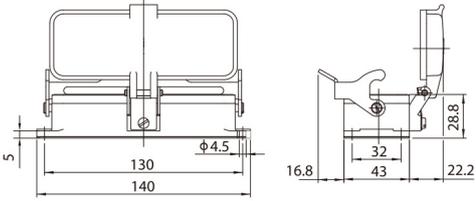


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Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K4/8BCL		

## HLK4/8 Shell Code HLK4/8 外壳互配图示

### Plug 插头

**SE**  
Side Entry  
侧引线



**TE**  
Top Entry  
上引线



**TT**  
Two-Top Entry  
双上引线



### Receptacle 插座



**BH**  
Bulkhead  
面板开孔



### Plug 插头

**SEL**  
Side Entry  
侧引线



**TEL**  
Top Entry  
上引线



### Receptacle 插座



**BHL**  
Bulkhead  
面板开孔



**BCL**  
Bulkhead  
With Cap  
面板开孔  
带防尘盖



### Plug 插头

**SL**  
Side Entry  
侧引线



**TL**  
Top Entry  
上引线



### Receptacle 插座



**BC**  
Bulkhead  
With Cap  
面板开孔  
带防尘盖



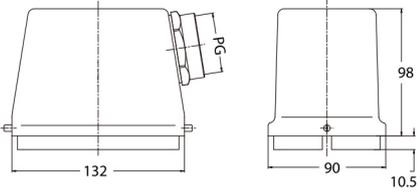
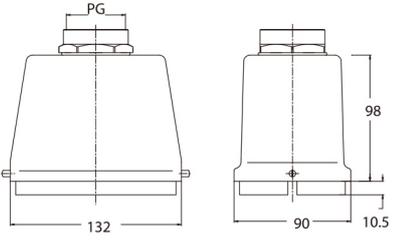
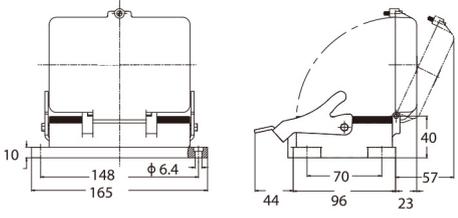


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Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图		
	K8/16SEL	PG36 PG29 M40 M32			
			K8/16TEL	PG36 PG29 M40 M32	
	K8/16BCL	PG36 PG29 M40 M32			
					K8/16OCL
			K8/16TCL	PG36 PG29 M40 M32	

HLK

## HLK8/16 Shell Code HLK8/16 外壳互配图示

### Plug 插头



### Receptacle 插座





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# HLK6/6

## Technical Characteristics 技术特性

### Inserts 绝缘体

Number of contacts:  
接触对数量: 6/6 +PE

Power area 电源	100A	690V	8 KV	3
Working current 工作电流	[Step function graph]			
Working voltage 工作电压	[Step function graph]			
Rated impulse voltage 额定冲击电压	[Step function graph]			
Pollution degree 污染等级	[Step function graph]			

Signal area 信号	16A	230 / 400V	6KV	3
Working current 工作电流	[Step function graph]			
Phase-to-ground voltage 相对地额定电压	[Step function graph]			
Phase-to-phase voltage 相间额定电压	[Step function graph]			
Rated impulse voltage 额定冲击电压	[Step function graph]			
Pollution degree 污染等级	[Step function graph]			

-Pollution degree 2 also  
-污染等级2也可 100A 1000V 8KV 2

Working voltage acc.to UL-CSA  
依照UL/CSA 工作电压 600V / 300V

Insulation resistance  
绝缘电阻  $\geq 10^{10} \Omega$

Material  
材料 Polycarbonate  
聚碳酸脂

Temperature range  
温度范围  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Flammability acc.to UL 94 V-0  
可燃性, 依照UL94 V-0

Mechanical working life  
-mating cycles  $\geq 500$   
机械寿命

### Contacts 接触对

Power area 电源

Material  
材料 Copper alloy  
铜合金

Surface-silver plated  
表面-镀银  $3 \mu\text{m Ag}$

Contact resistance  
接触电阻  $\leq 0.5 \text{ m}\Omega$

Screw terminal -mm<sup>2</sup> 16 ~35mm<sup>2</sup>  
螺纹端接线

-AWG 16 ~6 AWG

-Tightening/test torque  
-紧固/测试扭矩

mm <sup>2</sup>	16	25	35
Nm	6	7	8

### Signal area 信号

Material  
材料 Copper alloy  
铜合金

Surface-silver plated  
表面-镀银  $3 \mu\text{m Ag}$

Contact resistance  
接触电阻  $\leq 3 \text{ m}\Omega$

Screw terminal -mm<sup>2</sup> 0.2 ~2.5mm<sup>2</sup>  
螺纹端接线

-AWG 24 ~13 AWG

-Tightening/test torque  
-紧固/测试扭矩 0.8 Nm

HLK

## Current Carrying Capacity

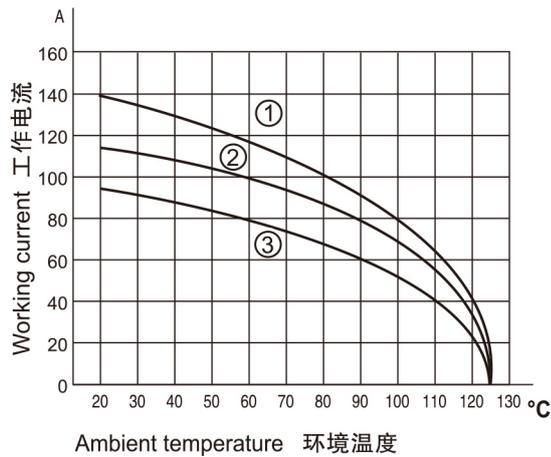
### 载流能力

Current-carrying capacity tends to decline with the ambient temperature going higher and its contacts increasing.

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。

### Current De-rating

#### 电流下降图表



① Wire gauge: 35 mm<sup>2</sup>  
导线截面: 35mm<sup>2</sup>

② Wire gauge: 25 mm<sup>2</sup>  
导线截面: 25 mm<sup>2</sup>

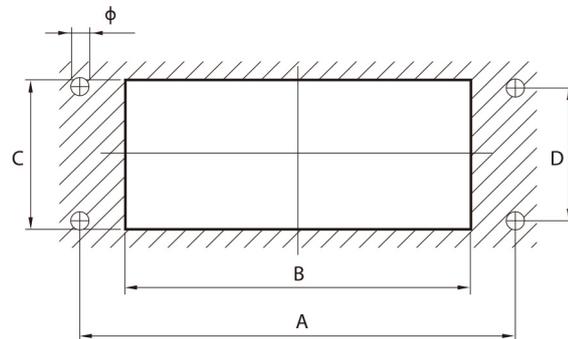
③ Wire gauge: 16 mm<sup>2</sup>  
导线截面: 16 mm<sup>2</sup>

## Hoods/Housings

### 外壳

## Mounting Dimension

### 面板开孔尺寸



Type 型号	A(mm)	B(mm)	C(mm)	D(mm)	φ (mm)
HLK 6/6	130	108	35	32	4.4



TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

## HLK 6/6

## 690V 100A/16A

Number of contacts  
接触对数量

6/6 +

Inserts  
内芯



Identification  
外形

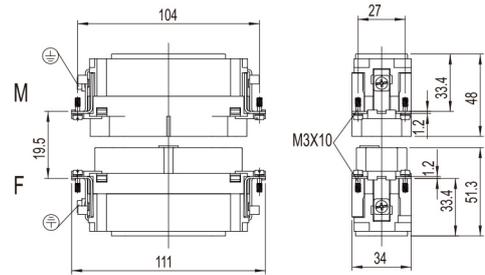
Part No.  
代码

PG / M

Drawing  
尺寸图

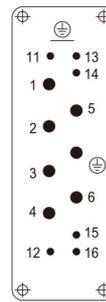


K6/6P

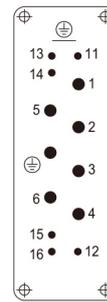


K6/6S

Contact arrangement View from termination side  
芯数排布 从接线端面观察

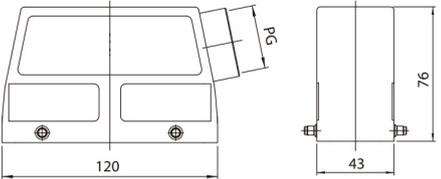
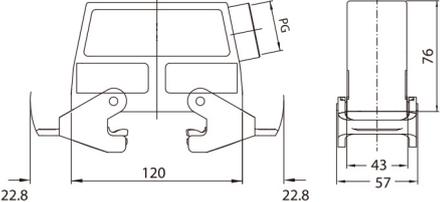
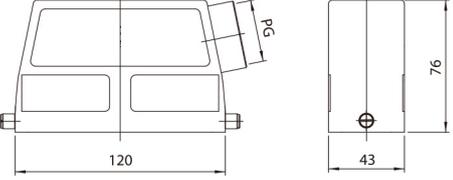
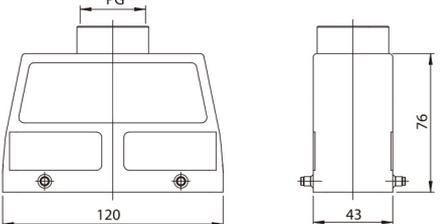
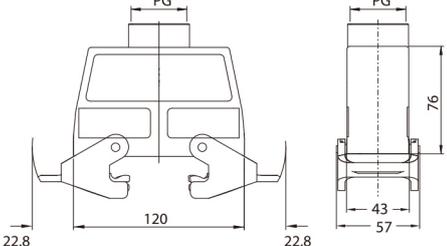


M



F

HLK

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K6/6SE	PG29 PG21 PG16 M32 M25 M20	
	K6/6SL	PG29 PG21 PG16 M32 M25 M20	
	K6/6SEL	PG29 PG21 PG16 M32 M25 M20	
	K6/6TE	PG29 PG21 PG16 M32 M25 M20	
	K6/6TL	PG29 PG21 PG16 M32 M25 M20	

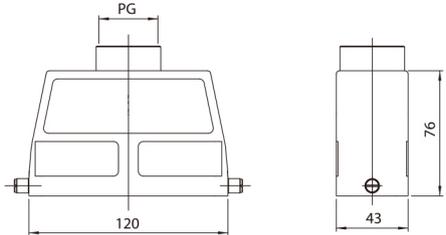
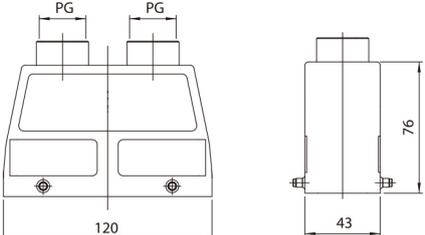
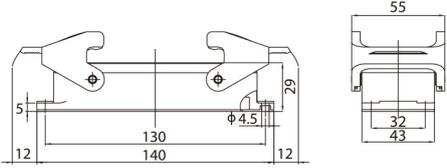
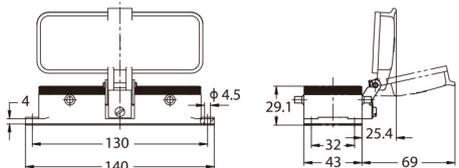
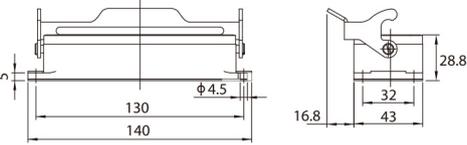
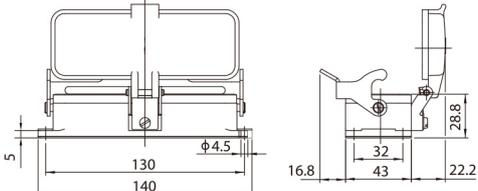


TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	K6/6TEL	PG29 PG21 PG16 M32 M25 M20	
	K6/6TT	PG21 PG16 M25 M20	
   	K6/6BH  K6/6BC  K6/6BHL  K6/6BCL		   

## HLK6/6 Shell Code HLK6/6 外壳互配图示

### Plug 插头



### Receptacle 插座



### Plug 插头



### Receptacle 插座



### Plug 插头



### Receptacle 插座

