

## HLD

## Technical Characteristics 技术特性

### Inserts 绝缘体

Number of contacts: 7、15、25、40  
接触对数量: 50 (2×25)、64  
80 (2×40)、128 (2×64)+PE

HLD	10A	250V	4KV	3
Working current 工作电流				
Working voltage 工作电压				
Rated shock voltage 额定冲击电压				
Pollution degree 污染等级				
-Pollution degree 2 also -污染等级2时的参数	10A	230/400V	4KV	2

Working voltage acc. to UL-CSA  
依照UL/CSA工作电压 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  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Flammability acc. To UL 94 V-0  
可燃性, 依照UL 94 V-0 HB

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

### Contacts 接触对

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  $\leq 3\text{m}\Omega$

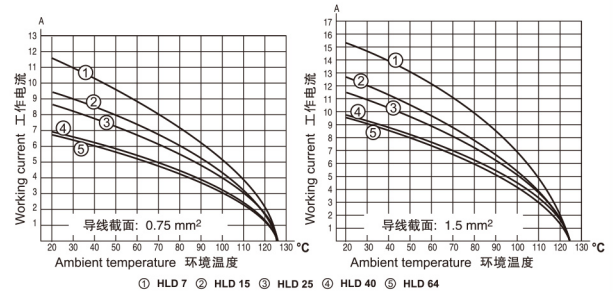
Crimp terminal  $\text{mm}^2$   
压接式接线  $0.14 \sim 2.5 \text{mm}^2$

AWG 26~14AWG

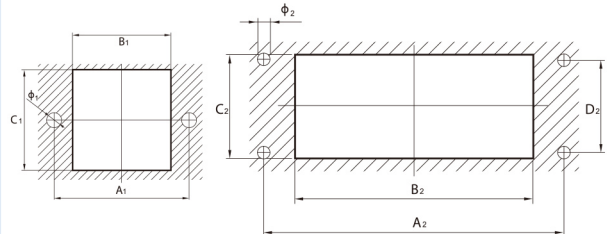
### Current Carrying Capacity 载流能力

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。



### Mounting Dimension 面板开孔尺寸



Type 型号	A <sub>1</sub> (mm)	B <sub>1</sub> (mm)	C <sub>1</sub> (mm)	φ <sub>1</sub> (mm)
HLD 7	30	22	22	3.3

Type 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)
HLD 15	70	57	24	17.5	3.3
HLD 25	86	73	24	17.5	3.3
HLD 40	103	82	35	32	4.4
HLD 50	92	73	48	42	4.4
HLD 64	130	108	35	32	4.4
HLD 80	110	86	71	65	5.5
HLD 128	148	117	81	70	6.4



TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

## HLD 7

### 250V 10A

Number of contacts  
接触对数量

7 +

Inserts  
内芯


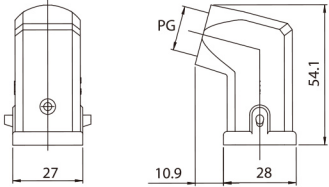

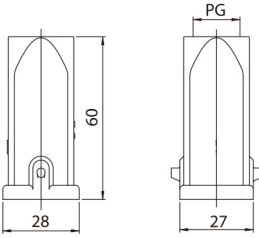

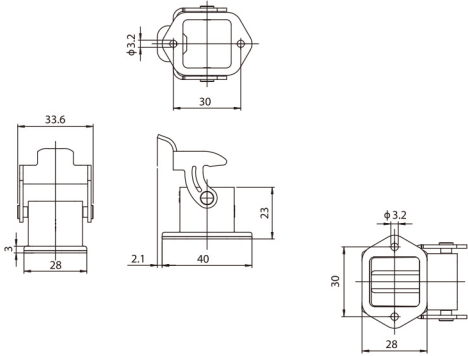

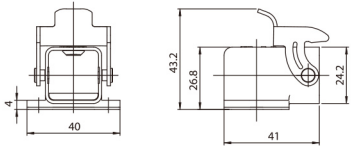

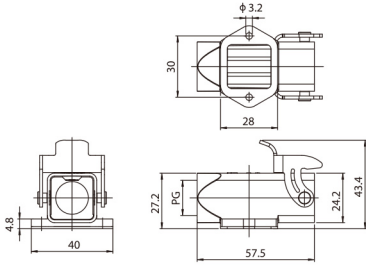

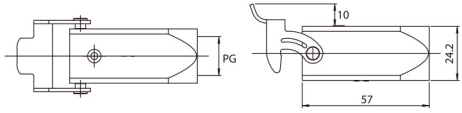


ET16



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图																												
	D7P		<p>33.3 21 31.5</p>																												
	D7S																														
<b>Crimp Contacts</b> 压接针孔  Silver Pin 镀银针  	22	0.14-0.37	<p>Wire Gauge 导线截面积 (mm<sup>2</sup>)</p> <p>25 8 0.32 9.10</p>																												
	20	0.5																													
	18S	0.75																													
	18	1.0																													
	16	1.5																													
Silver Socket 镀银孔  	22	0.14-0.37	<p>View from termination side 从接线端面观察</p> <p>Contact arrangement 芯数排布</p> <p><b>P</b>      <b>S</b></p> <p>6 ● 7 ⊕ 8      8 ⊕ 7 ● 6 5 ● 1 ● 2      2 ● 1 ● 5 4 ●      3 ●      3 ●      4 ●</p> <p>21.7 8 0.32</p>																												
	20	0.5																													
	18S	0.75																													
	18	1.0																													
	16	1.5																													
14	2.5																														
	22	0.14-0.37	<table border="1"> <thead> <tr> <th>Wire Gauge 导线截面积</th> <th></th> <th>Ø</th> <th>Strip Length 剥线长度</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup></td> <td>AWG 26-22</td> <td>0.90 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>1.10 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.30 mm</td> <td>8 mm</td> </tr> <tr> <td>1.0 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Wire Gauge 导线截面积		Ø	Strip Length 剥线长度	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.90 mm	8 mm	0.5 mm <sup>2</sup>	AWG 20	1.10 mm	8 mm	0.75 mm <sup>2</sup>	AWG 18	1.30 mm	8 mm	1.0 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm
Wire Gauge 导线截面积		Ø	Strip Length 剥线长度																												
0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.90 mm	8 mm																												
0.5 mm <sup>2</sup>	AWG 20	1.10 mm	8 mm																												
0.75 mm <sup>2</sup>	AWG 18	1.30 mm	8 mm																												
1.0 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm																												
1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm																												
2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm																												
	20	0.5																													
	18S	0.75																													
	18	1.0																													
	16	1.5																													
	14	2.5																													

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D7SEL	PG11 M20	
	D7TEL	PG11 M20	
	D7BHL		
	D7BSL		
	D7OSL	PG11 M20	
	D7CCL	PG11 M20	



TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

## HLD7 Shell Code HLD7 外壳互配图示

Plug 插头



Receptacle 插座



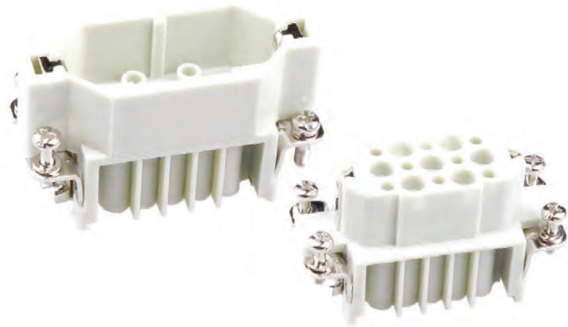
## HLD15

250V 10A


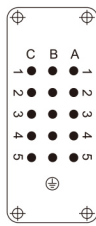
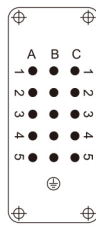


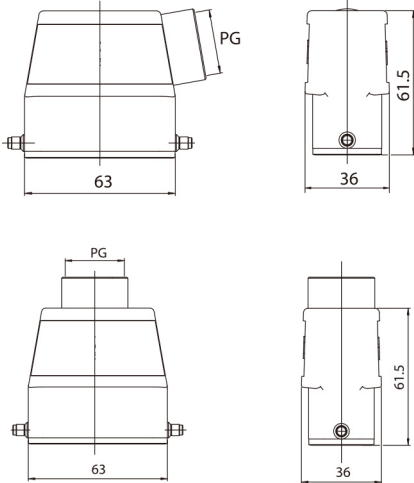


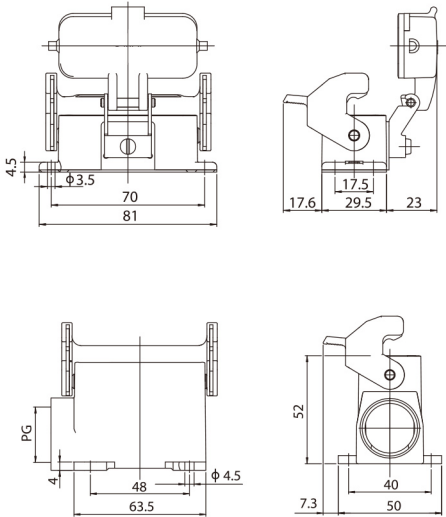
Number of contacts  
接触对数量

15+

Inserts  
内芯



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D15P		

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D15S		<p>                             Contact arrangement View from termination side                              芯数排布 从接线端面观察                         </p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>P</b></p>  </div> <div style="text-align: center;"> <p><b>S</b></p>  </div> </div>
  	D15SEL  D15TEL	PG16 M20  PG16 M20	
  	D15BCL  D15OSL	PG21 PG16 M20	


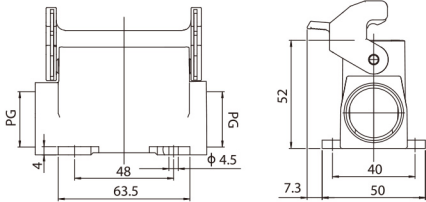


TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	<p><b>D15TSL</b></p>	<p>PG21 PG16 M20</p>	

HLD

### HLD15 Shell Code

### HLD15 外壳互配图示

Plug 插头



Receptacle 插座



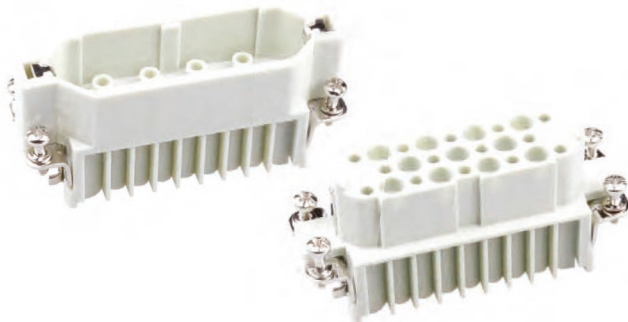
## HLD 25

250V 10A

Number of contacts  
接触对数量

25+

Inserts  
内芯



Identification  
外形

Part No.  
代码

PG / M

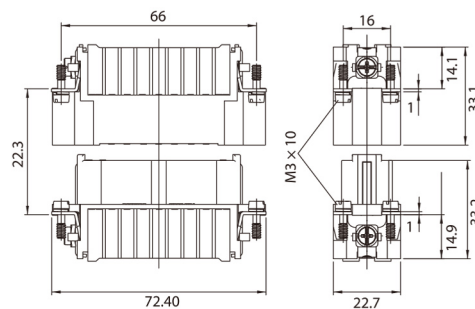
Drawing  
尺寸图



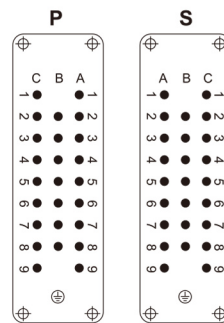
D25P



D25S

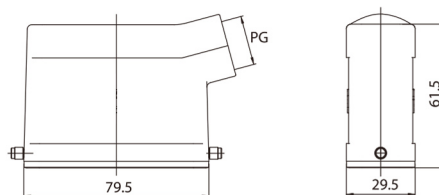



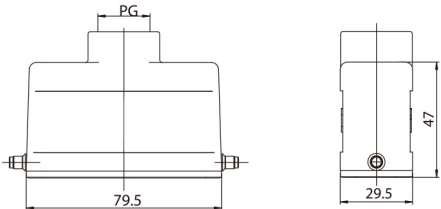

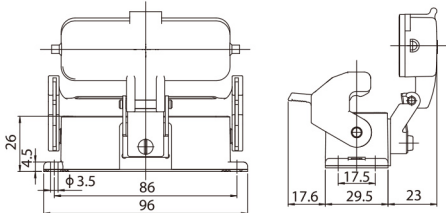

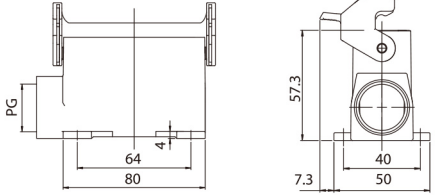

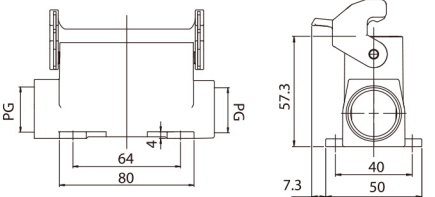
Contact arrangement View from termination side  
芯数排布 从接线端面观察



D25SEL

PG16  
PG13.5  
M20



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D25TEL	PG16 PG13.5 M20	
	D25BCL		
	D25OSL	PG16 PG13.5 M20	
	D25TSL	PG16 PG13.5 M20	



## HLD25 Shell Code HLD25 外壳互配图示

Plug 插头



Receptacle 插座



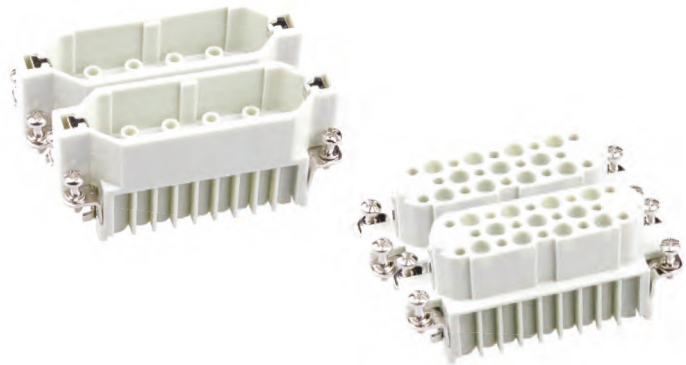
## HLD 50

250V 10A

Number of contacts  
接触对数量

50+

Inserts  
内芯



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D50P		




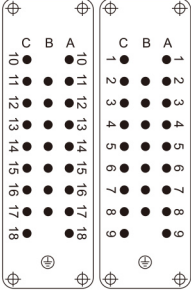
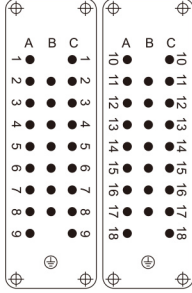


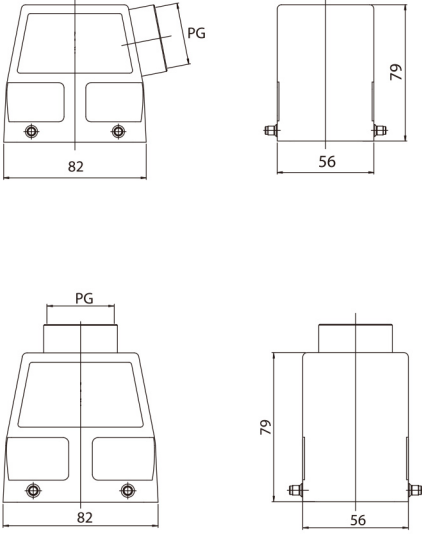

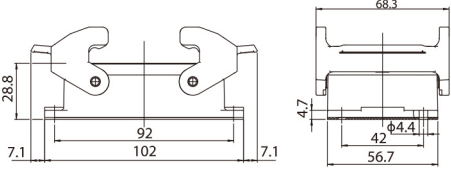
TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D50S		<p>Contact arrangement View from termination side 芯数排布 从接线端面观察</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>P</b></p>  </div> <div style="text-align: center;"> <p><b>S</b></p>  </div> </div>
  	D50SE	PG21 PG29 M25 M32	
	D50BH		

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D50OS	PG21 PG29 M25 M32	
	D50TS	PG21 PG29 M25 M32	

HLD50 Shell Code  
HLD50 外壳互配图示


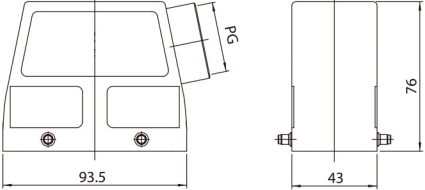

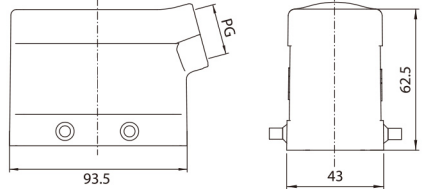

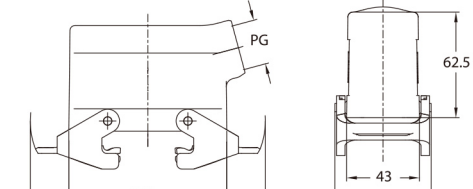

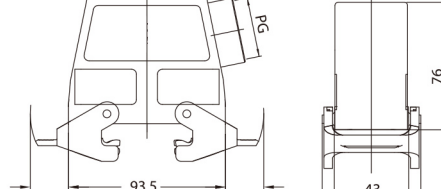

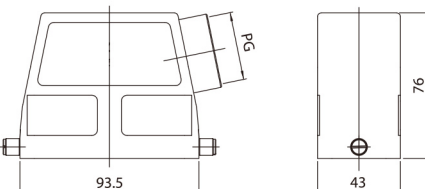
Plug 插头



Receptacle 插座





Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D40SE	PG29 M32	
	D40SE	PG21 PG16 M20 M25	
	D40SL	PG21 PG16 M20 M25	
	D40SL	PG29 M32	
	D40SEL	PG29 M32	




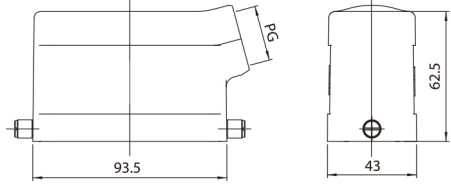


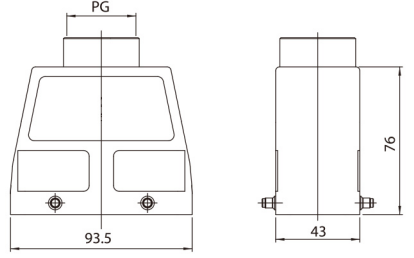
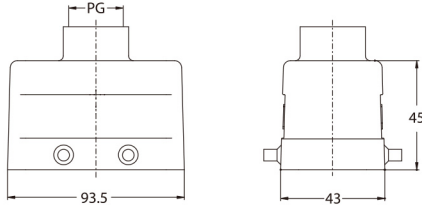


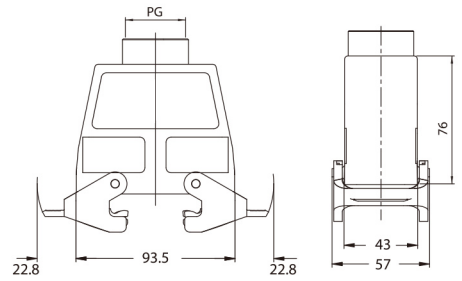
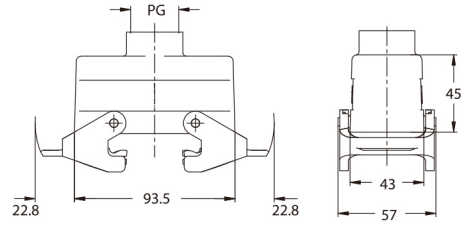
TUV SUD


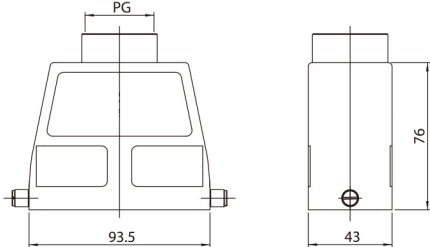

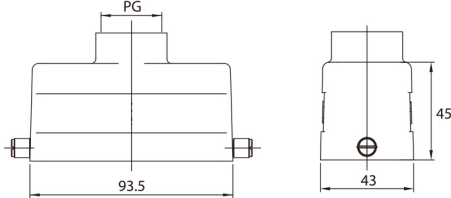

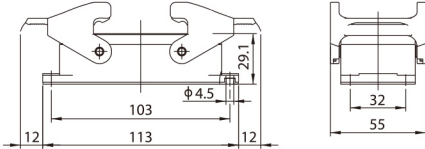

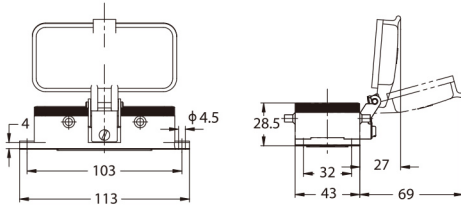

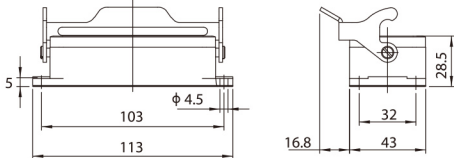


ISO9001 ISO14001 GB/T28001

# Renhotec

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D40SEL	PG21 PG16 M20 M25	
 	D40TE	PG29 M32  PG21 PG16 M20 M25	 
 	D40TL	PG29 M32  PG21 PG16 M20 M25	 

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D40TEL	PG29 M32	
	D40TEL	PG21 PG16 M20 M25	
	D40BH		
	D40BC		
	D40BHL		




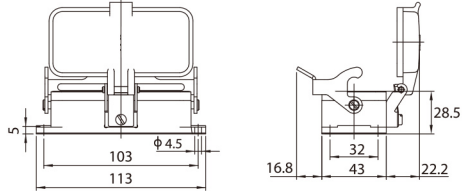

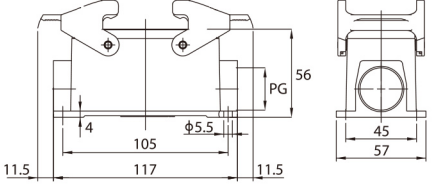

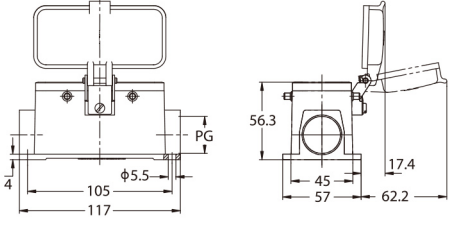

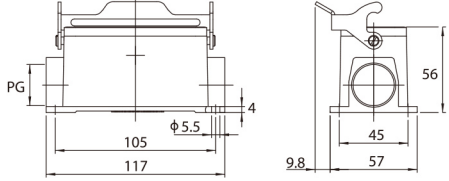
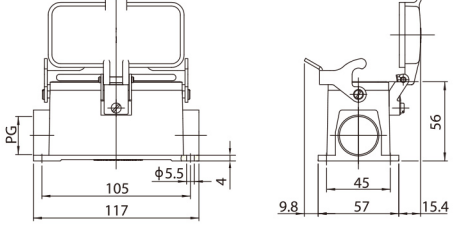
TUV SUD




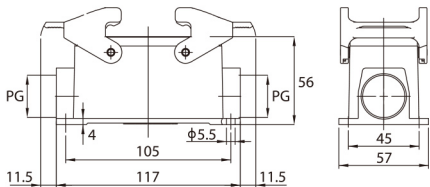

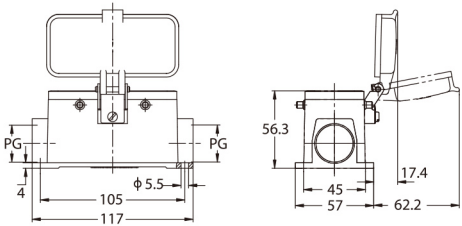

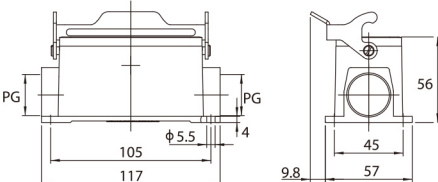

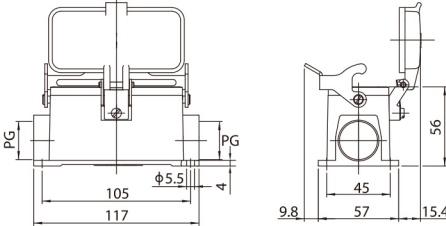
ISO9001 ISO14001 GB/T28001

# Renhotec

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D40BCL		
	D40OS	PG21 PG16 M20 M25	
	D40OC	PG21 PG16 M20 M25	
	D40OSL	PG21 PG16 M20 M25	
	D40OCL	PG21 PG16 M20 M25	



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D40TS	PG21 PG16 M20 M25	
	D40TC	PG21 PG16 M20 M25	
	D40TSL	PG21 PG16 M20 M25	
	D40TCL	PG21 PG16 M20 M25	



TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

## HLD40 Shell Code HLD40 外壳互配图示

Plug 插头



Receptacle 插座



Plug 插头



Receptacle 插座



Plug 插头



Receptacle 插座



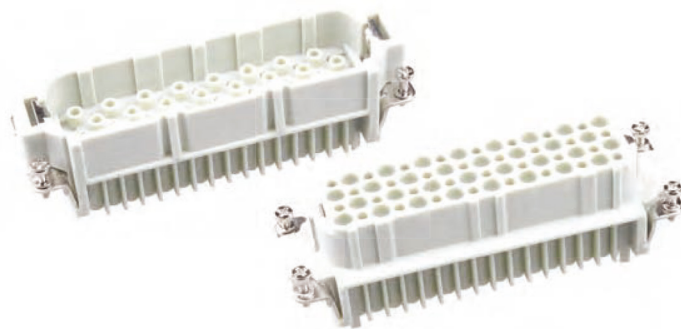
## HLD 64

250V 10A

Number of contacts  
接触对数量

64+

Inserts  
内芯



HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D64P		
	D64S		<p> <b>Contact arrangement</b> View from termination side  <b>芯数排布</b> 从接线端面观察         </p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="1018 1429 1129 1841"> <p><b>P</b></p> </div> <div data-bbox="1193 1429 1305 1841"> <p><b>S</b></p> </div> </div>




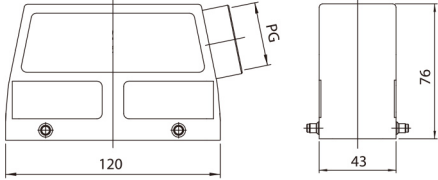

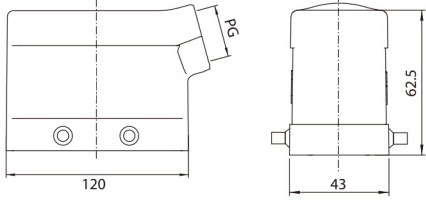

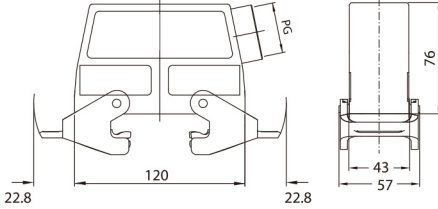

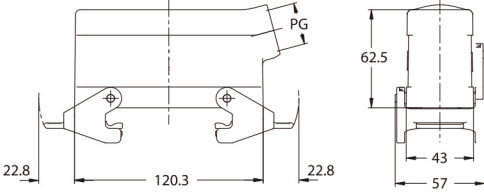

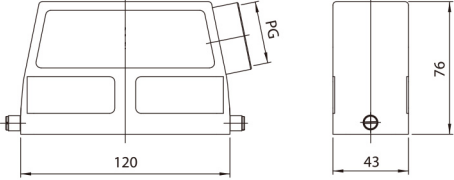
TUV SUD


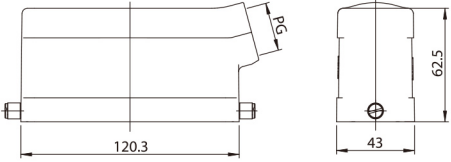


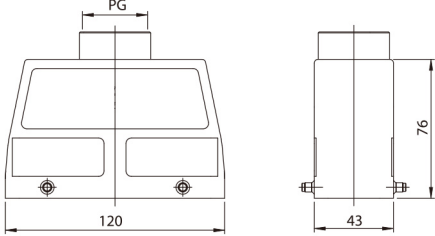
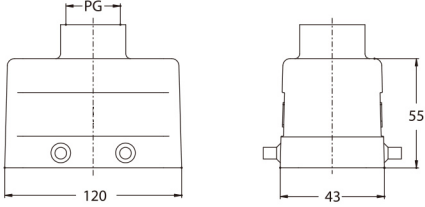


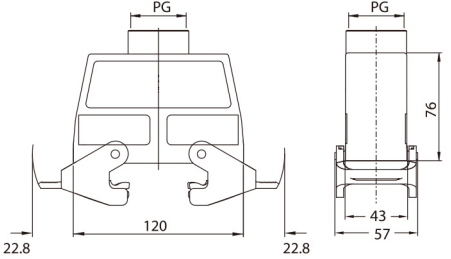
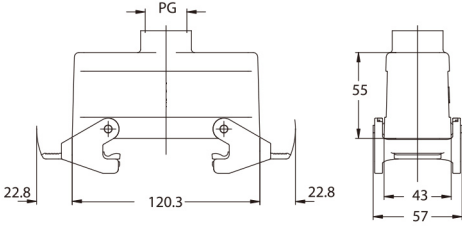


ISO9001 ISO14001 GB/T28001

# Renhotec

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D64SE	PG29 M32	
	D64SE	PG21 PG16 M20 M25	
	D64SL	PG29 M32	
	D64SL	PG21 PG16 M20 M25	
	D64SEL	PG29 M32	

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D64SEL	PG21 PG16 M20 M25	
  	D64TE  D64TE	PG29 M32  PG21 PG16 M20 M25	  
  	D64TL  D64TL	PG29 M32  PG21 PG16 M20 M25	  




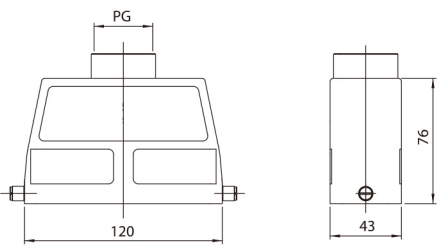

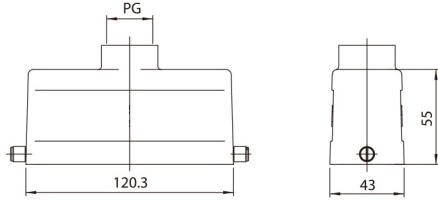

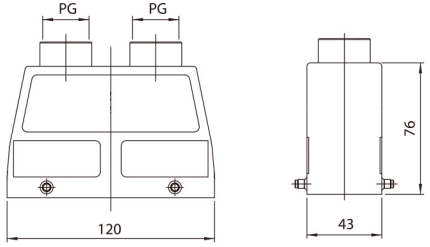

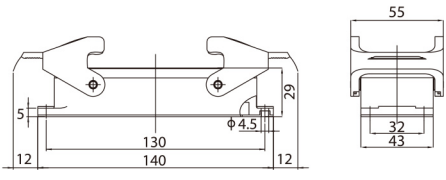

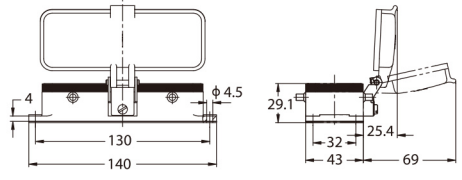
TUV SUD


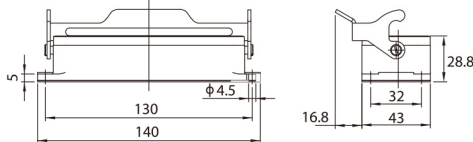

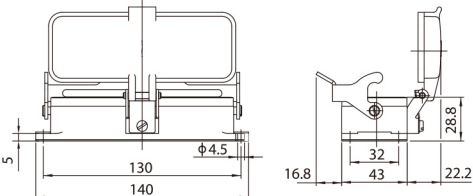

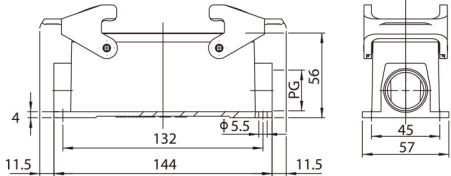

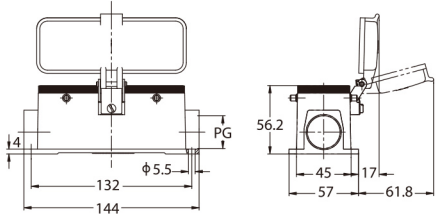

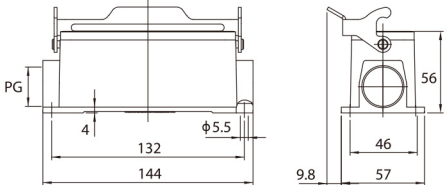


ISO9001 ISO14001 GB/T28001

# Renhotec

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D64TEL	PG29 M32	
	D64TEL	PG21 PG16 M20 M25	
	D64TT	PG21 PG16 M20 M25 M32	
	D64BH		
	D64BC		

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D64BHL		
	D64BCL		
	D64OS	PG21 PG16 M20 M25	
	D64OC	PG21 PG16 M20 M25	
	D64OSL	PG21 PG16 M20 M25	




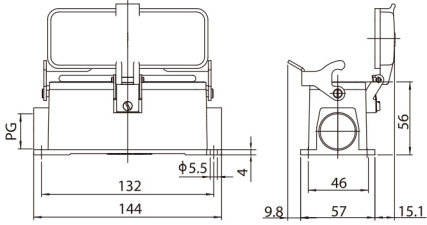




TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D64OCL	PG21 PG16 M20 M25	
			D64TS
	D64TC	PG21 PG16 M20 M25	
			D64TSL
	D64TCL	PG21 PG16 M20 M25	



## HLD64 Shell Code HLD64 外壳互配图示

### Plug 插头



### Receptacle 插座



### Plug 插头



### Receptacle 插座



### Plug 插头



### Receptacle 插座





TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

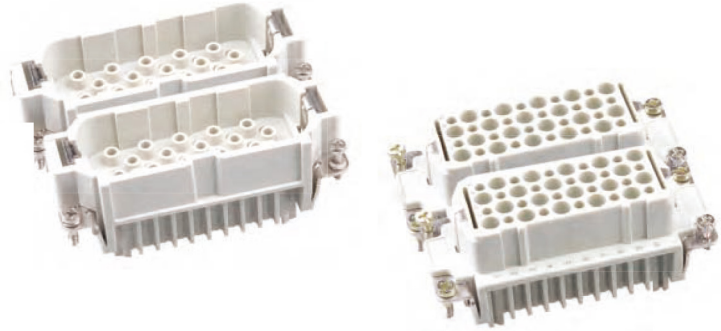
## HLD 80

## 250V 10A

Number of contacts  
接触对数量

80 +

Inserts  
内芯



Identification  
外形

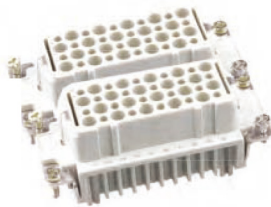
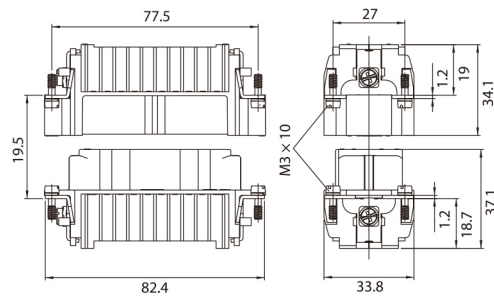
Part No.  
代码

PG / M

Drawing  
尺寸图

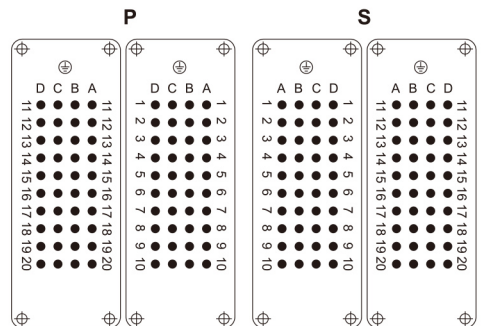



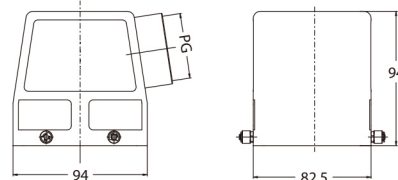

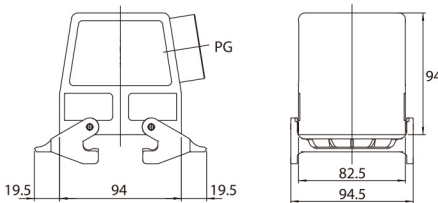

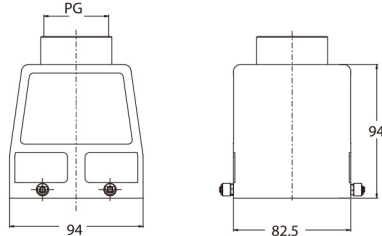

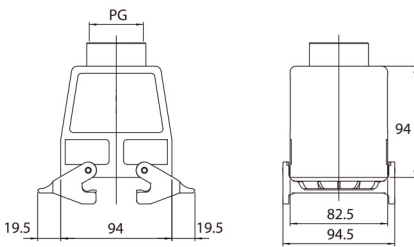

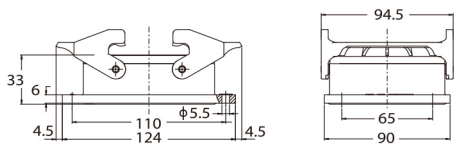
D80P



D80S

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



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D80SE	PG36 PG29 M40 M32	
	D80SL	PG36 PG29 M40 M32	
	D80TE	PG36 PG29 M40 M32	
	D80TL	PG36 PG29 M40 M32	
	D80BH		




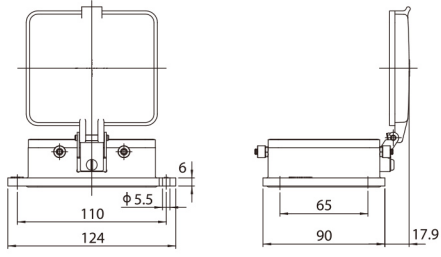

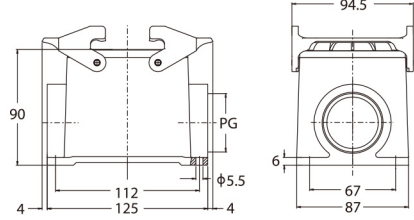

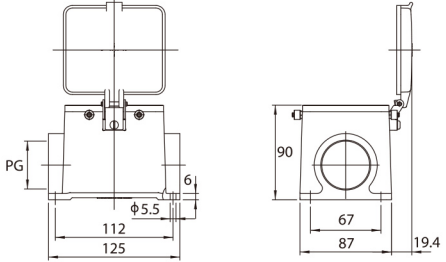

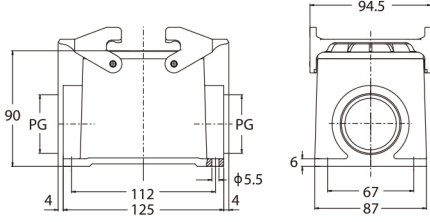

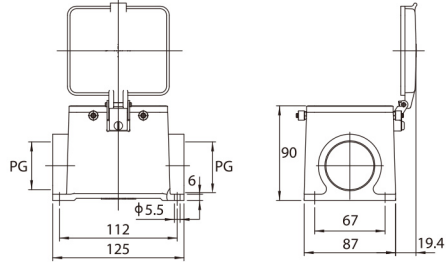
TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

HLD

Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
	D80BC		
	D80OS	PG36 PG29 M40 M32	
	D80OC	PG36 PG29 M40 M32	
	D80TS	PG36 PG29 M40 M32	
	D80TC	PG36 PG29 M40 M32	

## HLD80 Shell Code HLD80 外壳互配图示

### Plug 插头



### Receptacle 插座



### Plug 插头



### Receptacle 插座





TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

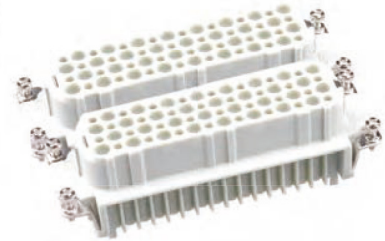
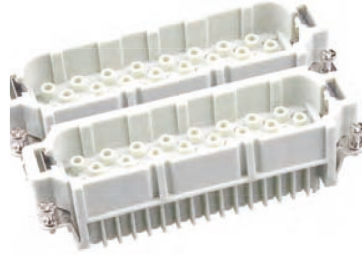
## HLD 128

## 250V 10A

Number of contacts  
接触对数量

128 +

Inserts  
内芯

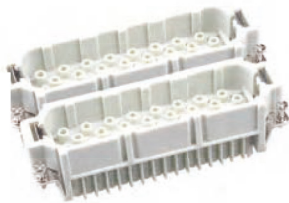


Identification  
外形

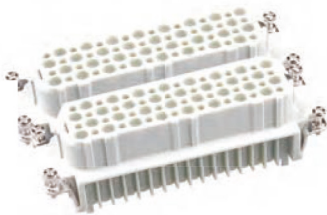
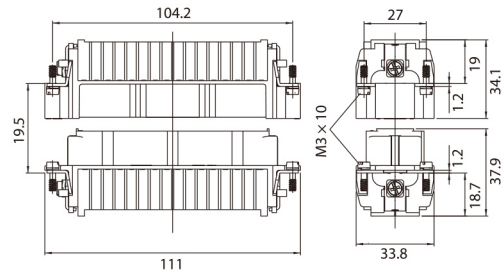
Part No.  
代码

PG / M

Drawing  
尺寸图

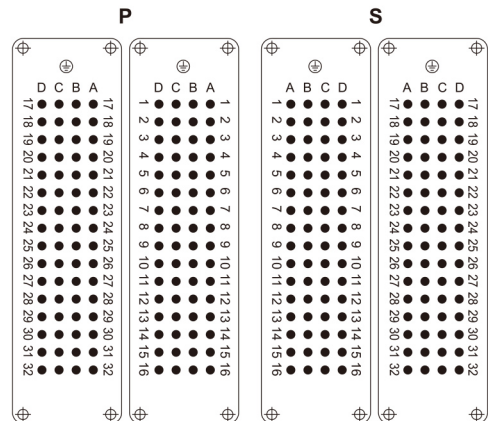




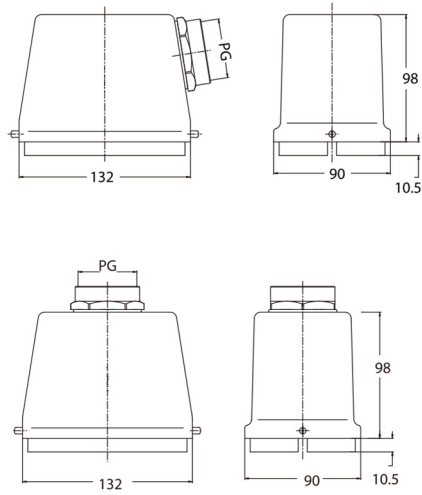



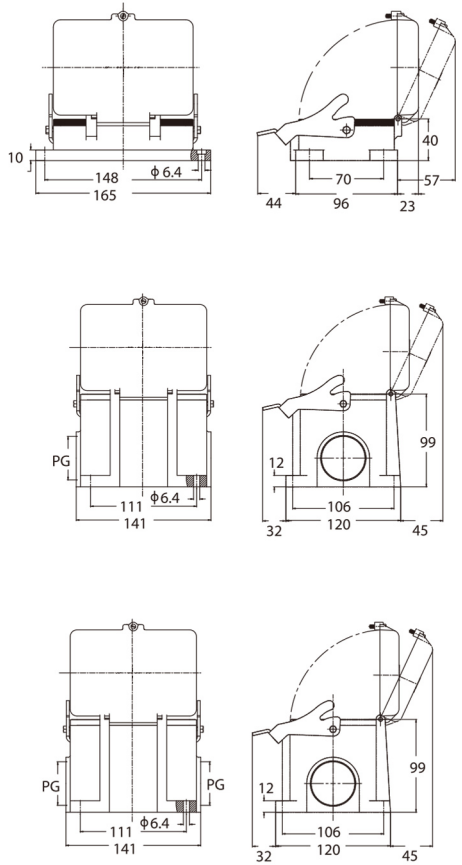
D128P



D128S

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



Identification 外形	Part No. 代码	PG / M	Drawing 尺寸图
  	<p>D128SEL</p> <p>D128TEL</p>	<p>PG36 PG29 M40 M32</p> <p>PG36 PG29 M40 M32</p>	 <p>Technical drawing showing front and side views of the D128SEL and D128TEL components. Dimensions include a width of 132, a height of 98, and a base width of 90 with a 10.5 offset.</p>
    	<p>D128BCL</p> <p>D128OCL</p> <p>D128TCL</p>	<p>PG36 PG29 M40 M32</p> <p>PG36 PG29 M40 M32</p>	 <p>Technical drawing showing front and side views of the D128BCL, D128OCL, and D128TCL components. Dimensions include a width of 148 (165 total), a height of 40, and a base width of 96 with a 23 offset. Other dimensions include 10, 44, 70, 57, 111, 141, 12, 106, 120, 45, and 99.</p>



TUV SUD



ISO9001 ISO14001 GB/T28001

# Renhotec

## HLD128 Shell Code HLD128 外壳互配图示

### Plug 插头



### Receptacle 插座

