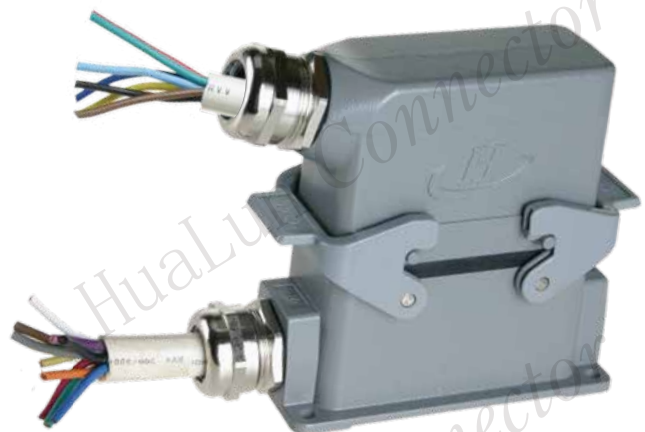
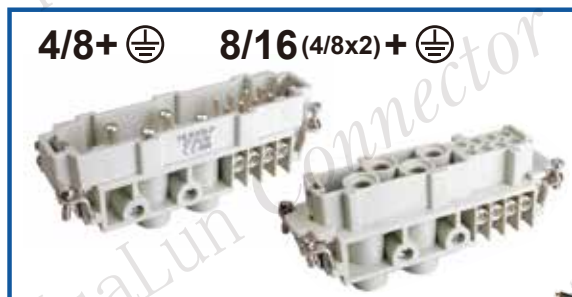


**Screw**

- 4/0, 4/2, 8/0 (4/0x2), 8/4 (4/2x2), 4/8, 4/16 (4/8x2), 6/6 Contacts
- Current: 16A, 80A, 100A

**K Series**



# HLK4/0, 4/2, 8/0, 8/4 Series Technical Characteristics

## ■ Inserts

Number of contacts: 4/0+PE, 4/2+PE  
8/0 (4/0×2)+PE  
8/2 (4/2×2)+PE

**Power area:** 80A 690V 8KV 3  
Working current  
Working voltage  
Rated shock voltage  
Pollution degree

**Signal area:** 16A 400V 6KV 3  
Working current  
Working voltage  
Rated shock voltage  
Pollution degree

Pollution degree 2 also 16A 400/690V 6KV 2

Working voltage acc. to UL-CSA 600V / 300V  
Insulation resistance  $\geq 10^{10} \Omega$   
Material Polycarbonate  
Temperature range  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$   
Flammability acc. to UL 94 V-0  
Mechanical working life  $\geq 500$  mating cycles

## ■ Contacts

### Power area:

Material Copper alloy  
Surface - silver plated  $3 \mu\text{m Ag}$   
Contact resistance  $\leq 0.3\text{m}\Omega$   
Screw terminal  $\text{mm}^2$  1.5~16 $\text{mm}^2$   
AWG 16~6AWG

-Tightening/test torque

$\text{mm}^2$	1.5	2.5	4	6	10	16
Nm	1.2	2	3	3	3	3

### Signal area:

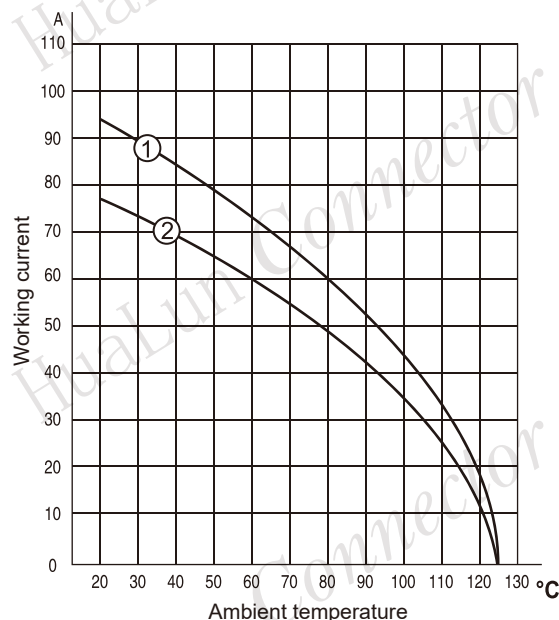
Material Copper alloy  
Surface - silver plated  $3 \mu\text{m Ag}$   
Contact resistance  $\leq 1\text{m}\Omega$   
Screw terminal  $\text{mm}^2$  0.5~2.5 $\text{mm}^2$   
AWG 20~14AWG

-Tightening/test torque 0.5Nm

## ■ Current Carrying Capacity

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

### Current De-rating

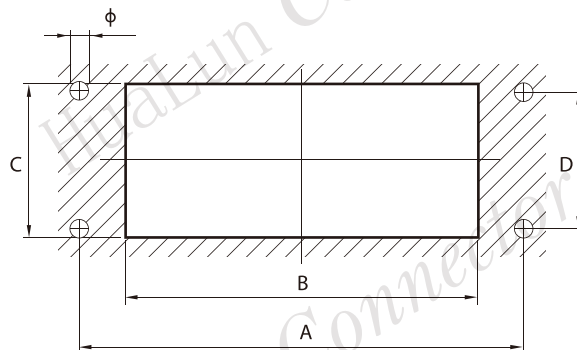


① Wire gauge: 16 $\text{mm}^2$  ② Wire gauge: 10 $\text{mm}^2$

## ■ Hoods/Housings

Same to HLE

## Panel Mounted & Mounting Hole



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

# — K Series Connector —

HLK4/0、4/2

690V 80A/16A

P (Pin)

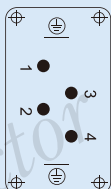
Contact arrangement  
View from termination side

S (Socket)

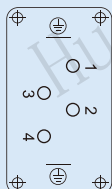
4/0P +


Part Number **HLK4/0P**

P



S



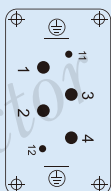
4/0S +


Part Number **HLK4/0S**

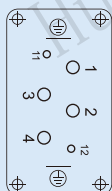
4/2P +


Part Number **HLK4/2P**

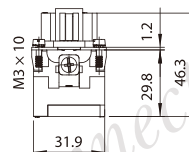
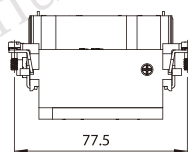
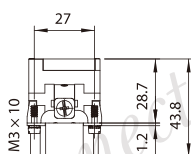
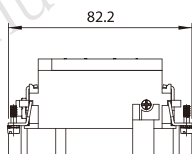
P



S

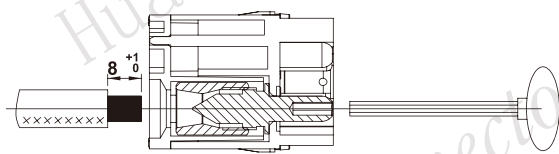


4/2S +


Part Number **HLK4/2S**


Shell style see Page 72

Screwdriver (For axial setscrew)

Part Number **K4G**




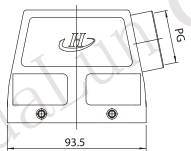
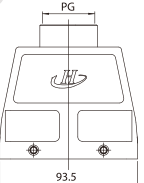
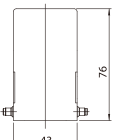
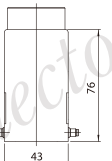
K

## — K Series Shell style —

### K4/0, K4/2 Code



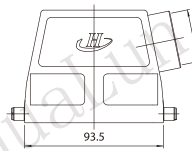
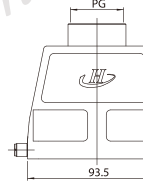
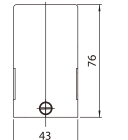

#### Plug

Accessories see P98-100

Shell	<b>SE</b> Side Entry PG29	<b>TE</b> Top Entry PG29
		
Code	<b>HLK4/0SE</b> <b>HLK4/2SE</b>	<b>HLK4/0TE</b> <b>HLK4/2TE</b>
Drawing		
		


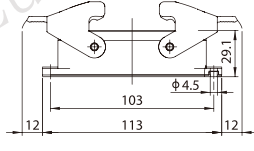
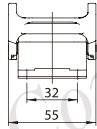
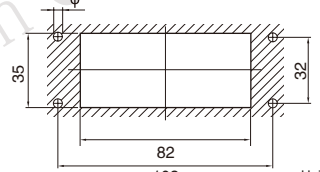
#### Plug

Accessories see P98-100

Shell	<b>SEL</b> Side Entry PG29	<b>TEL</b> Top Entry PG29
		
Code	<b>HLK4/0SEL</b> <b>HLK4/2SEL</b>	<b>HLK4/0TEL</b> <b>HLK4/2TEL</b>
Drawing		
		


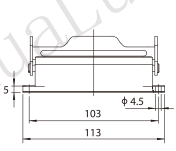
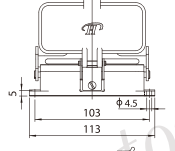
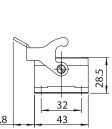
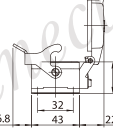
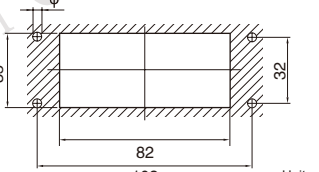
#### Receptacle



Shell	<b>BH</b> Bulkhead	
	<b>HLK4/0BH</b> <b>HLK4/2BH</b>	
Drawing		
		
 <b>Panel Mounted &amp; Mounting Hole</b>		Unit: mm

#### Receptacle



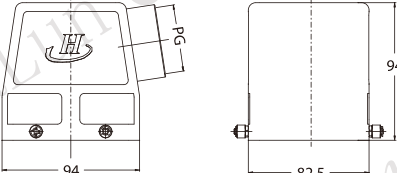
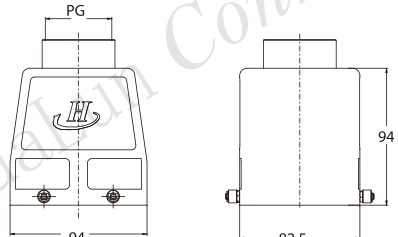


Shell	<b>BHL</b> Bulkhead	<b>BCL</b> Bulkhead With Cap 
	<b>HLK4/0BHL</b> <b>HLK4/2BHL</b>	<b>HLK4/0BCL</b> <b>HLK4/2BCL</b>
Drawing		
		
 <b>Panel Mounted &amp; Mounting Hole</b>		Unit: mm

# — K Series Shell style — K8/0, K8/4 Code




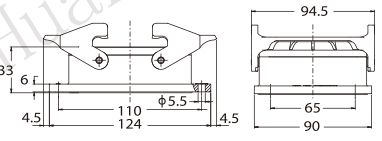
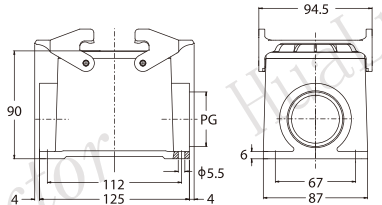
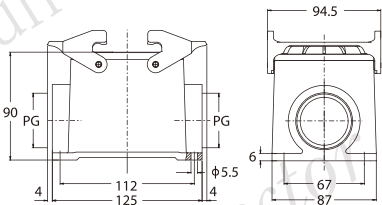
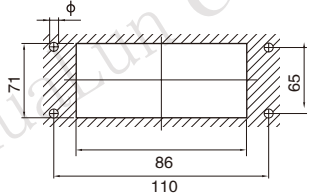
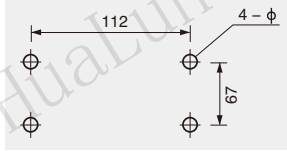
## Plug

Accessories see P98-100

Shell	<b>SE</b> Side Entry  PG36 PG29	<b>TE</b> Top Entry  PG36 PG29
	<b>HLK8/0SE</b> <b>HLK8/4SE</b>	<b>HLK8/0TE</b> <b>HLK8/4TE</b>
Drawing		



## Receptacle

Shell	<b>BH</b> Bulkhead 	<b>OS</b> One-Side Entry  PG36 PG29	<b>TS</b> Two-Side Entry  PG36 PG29
	<b>HLK8/0BH</b> <b>HLK8/4BH</b>	<b>HLK8/0OS</b> <b>HLK8/4OS</b>	<b>HLK8/0TS</b> <b>HLK8/4TS</b>
Drawing			
	<b>Panel Mounted &amp; Mounting Hole</b> 	The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm



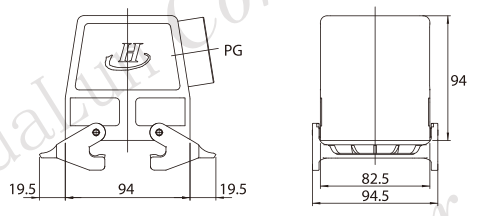
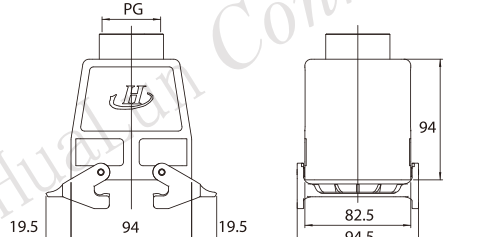
K

## — K Series Shell style —

### K8/0, K8/4 Code




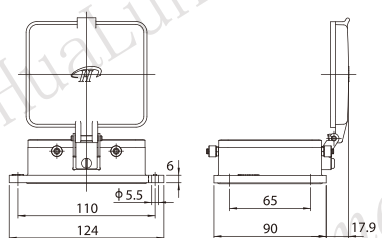
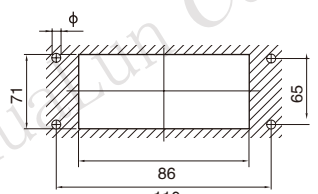
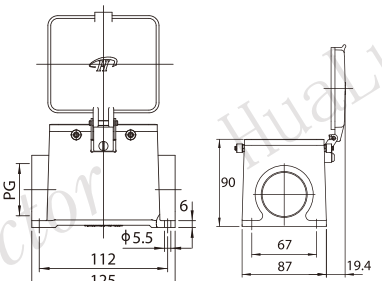
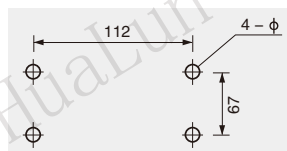
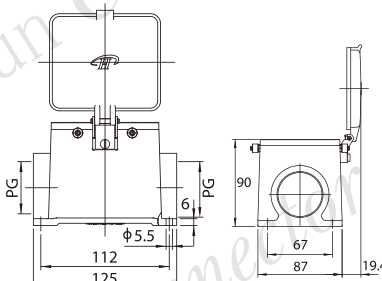
#### Plug

Accessories see P98-100

Shell	<b>SL</b> Side Entry  PG36 PG29	<b>TL</b> Top Entry  PG36 PG29
	<b>HLK8/0SL</b> <b>HLK8/4SL</b>	<b>HLK8/0TL</b> <b>HLK8/4TL</b>
		



#### Receptacle

Shell	<b>BC</b> Bulkhead With Cap 	<b>OC</b> One-Side Entry With Cap  PG36 PG29	<b>TC</b> Two-Side Entry With Cap  PG36 PG29
	<b>HLK8/0BC</b> <b>HLK8/4BC</b>	<b>HLK8/0OC</b> <b>HLK8/4OC</b>	<b>HLK8/0TC</b> <b>HLK8/4TC</b>
	 <p>Panel Mounted &amp; Mounting Hole</p> 	 <p>The mounting panel does not open rectangular holes Drill four holes at center intervals</p> 	

Unit: mm



# HLK4/8, 8/16 Series

## ■ Inserts

Number of contacts: 4/8+PE, 8/16 (4/8×2)+PE

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

Working current

Working voltage

Rated shock voltage

Pollution degree

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

Working current

Working voltage

Rated shock voltage

Pollution degree

Working voltage acc. to UL-CSA 600V / 600V

Insulation resistance  $\geq 10^{10} \Omega$

Material Polycarbonate

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

Flammability acc. to UL 94 V-0

Mechanical working life  $\geq 500$   
-mating cycles

## ■ Contacts

**Power area:**

Material Copper alloy

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

Contact resistance  $\leq 0.3\text{m}\Omega$

Screw terminal  $\text{mm}^2$  1.5~16 $\text{mm}^2$   
AWG 16~6AWG

-Tightening/test torque

$\text{mm}^2$	1.5	2.5	4	6	10	16
Nm	1.2	2	3	3	3	3

**Signal area:**

Material Copper alloy

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

Contact resistance  $\leq 1\text{m}\Omega$

Screw terminal  $\text{mm}^2$  0.5~2.5 $\text{mm}^2$   
AWG 20~14AWG

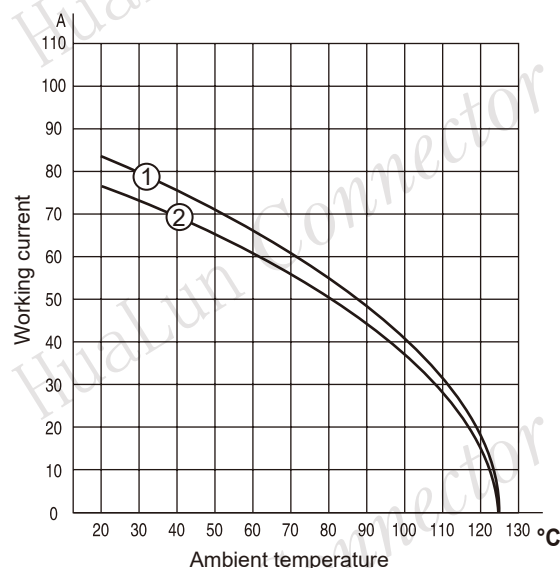
-Tightening/test torque 0.5Nm

## Technical Characteristics

### ■ Current Carrying Capacity

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

### Current De-rating

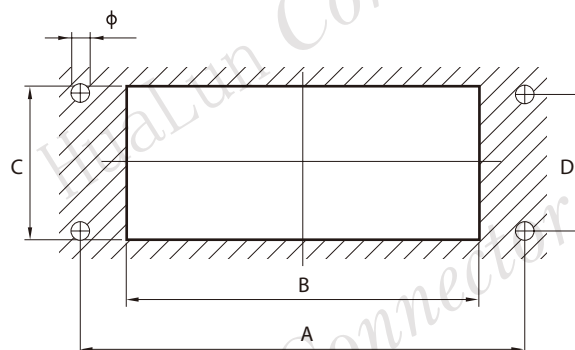


① Wire gauge: 16 $\text{mm}^2$  ② Wire gauge: 10 $\text{mm}^2$

### ■ Hoods/Housings



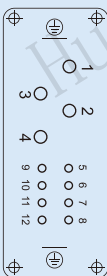

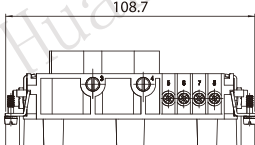
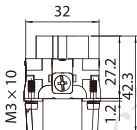
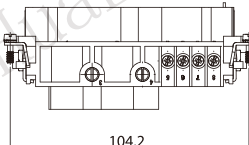
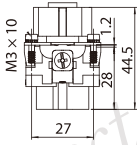
Same to HLE

### Panel Mounted & Mounting Hole



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

## — K Series Connector —

HLK4/8		690V	80A/16A
P (Pin)	Contact arrangement View from termination side		S (Socket)
<p><b>4/8P + ⚡</b></p>  <p>Part Number <b>HLK4/8P</b></p>	<p><b>P</b></p> 	<p><b>S</b></p> 	<p><b>4/8S + ⚡</b></p>  <p>Part Number <b>HLK4/8S</b></p>
 	<p>Shell style see Page 77</p>		 




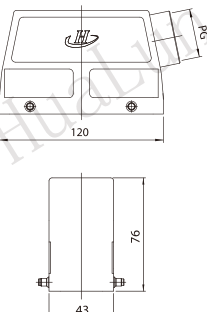
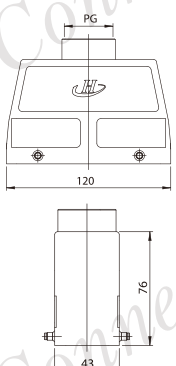
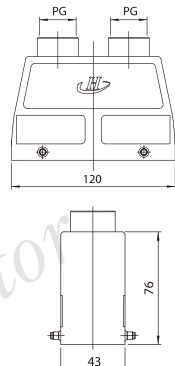
K



# — K Series Shell style — K4/8 Code



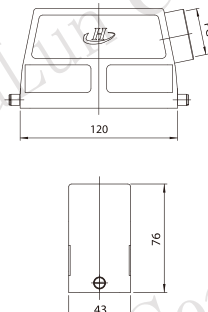
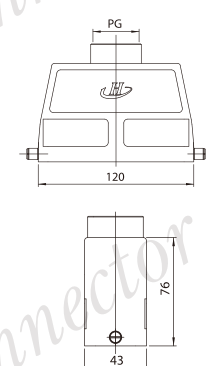
## Plug

Accessories see P98-100

Shell	<b>SE</b> Side Entry PG29 	<b>TE</b> Top Entry PG29 	<b>TT</b> Two-Top Entry PG21 PG16 
	<b>HLK4/8SE</b>	<b>HLK4/8TE</b>	<b>HLK4/8TT</b>
Drawing			


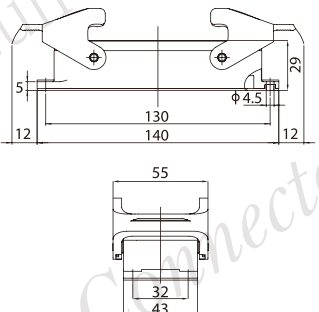
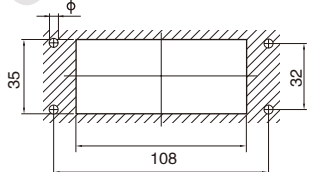
## Plug

Accessories see P98-100

Shell	<b>SEL</b> Side Entry PG29 	<b>TEL</b> Top Entry PG29 
	<b>HLK4/8SEL</b>	<b>HLK4/8TEL</b>
Drawing		



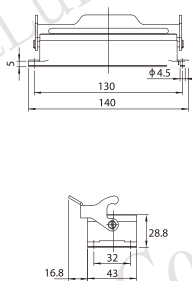
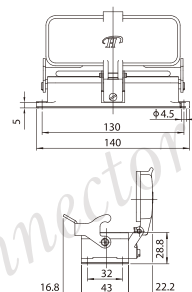
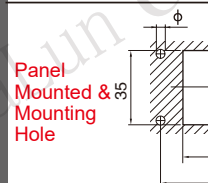
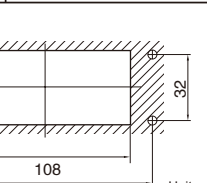
## Receptacle



Shell	<b>BH</b> Bulkhead 
	<b>HLK4/8BH</b>
Drawing	
	 Unit: mm

## Receptacle





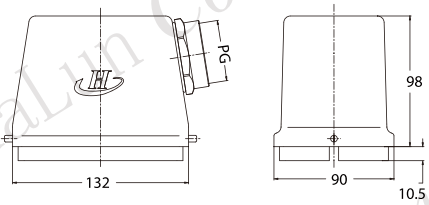
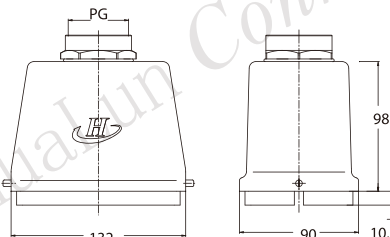
Shell	<b>BHL</b> Bulkhead 	<b>BCL</b> Bulkhead With Cap 
	<b>HLK4/8BHL</b>	<b>HLK4/8BCL</b>
Drawing		
	 Unit: mm	 Unit: mm

## — K Series Shell style —

### K8/16 Code




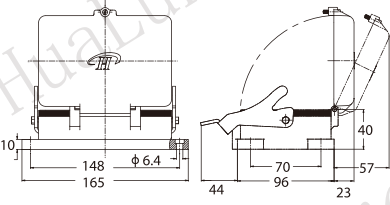
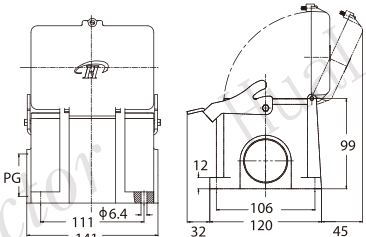
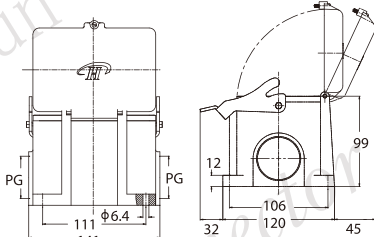
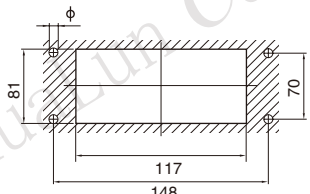
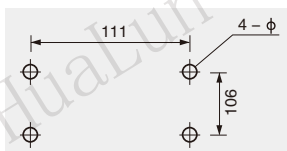
#### Plug

Accessories see P98-100

Shell	<b>SEL</b> Side Entry  PG36 PG29	<b>TEL</b> Top Entry  PG36 PG29
	<b>HLK8/16SEL</b>	<b>HLK8/16TEL</b>
Drawing	 <p>Dimensions: 132, 98, 90, 10.5</p>	 <p>Dimensions: 132, 98, 90, 10.5</p>



#### Receptacle

Shell	<b>BCL</b> Bulkhead With Cap 	<b>OCL</b> One-Side Entry With Cap  PG36 PG29	<b>TCL</b> Two-Side Entry With Cap  PG36 PG29
	<b>HLK8/16BCL</b>	<b>HLK8/16OCL</b>	<b>HLK8/16TCL</b>
Drawing	 <p>Dimensions: 148, 165, 10, 44, 96, 23, 40, 57, 70, 6.4</p>	 <p>Dimensions: 111, 141, 32, 106, 120, 45, 12, 6.4</p>	 <p>Dimensions: 111, 141, 32, 106, 120, 45, 12, 6.4</p>
<b>Panel Mounted &amp; Mounting Hole</b>  <p>Dimensions: 81, 117, 148, 70</p>		The mounting panel does not open rectangular holes Drill four holes at center intervals  <p>Dimensions: 111, 106, 4 - <math>\phi</math></p>	

Unit: mm

# HLK6/6 Series

## Technical Characteristics

### ■ Inserts

Number of contacts: 6/6 +PE

**Power area:** 100A 690V 8KV 3

Working current

Working voltage

Rated shock voltage

Pollution degree

**Signal area:** 16A 230 / 400V 6KV 3

Working current

Phase-to-ground voltage

Phase-to-phase voltage

Rated impulse voltage

Pollution degree

Pollution degree 2 also 100A 1000V 8KV 2

Working voltage acc. to UL-CSA 600V / 300V

Insulation resistance  $\geq 10^{10} \Omega$

Material Polycarbonate

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

Flammability acc. to UL 94 V-0

Mechanical working life  $\geq 500$

-mating cycles

### ■ Contacts

#### Power area:

Material

Copper alloy

Surface - silver plated

$3\mu\text{m Ag}$

Contact resistance

$\leq 0.5\text{m}\Omega$

Screw terminal

$\text{mm}^2$

16~35 $\text{mm}^2$

AWG

16~6AWG

-Tightening/test torque

$\text{mm}^2$	16	25	35
Nm	6	7	8

#### Signal area:

Material

Copper alloy

Surface - silver plated

$3\mu\text{m Ag}$

Contact resistance

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

Screw terminal

$\text{mm}^2$

0.2~2.5 $\text{mm}^2$

AWG

24~13AWG

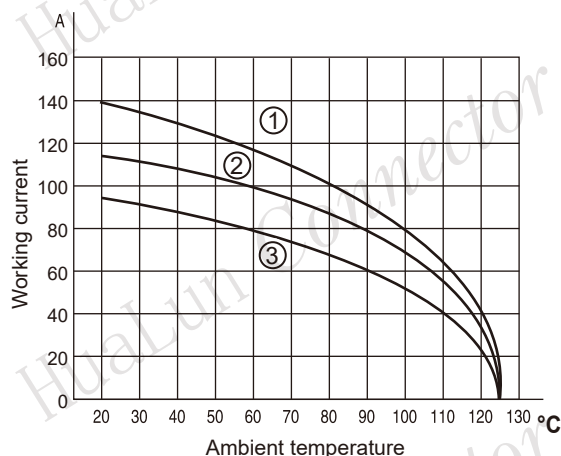
-Tightening/test torque

0.8Nm

### ■ Current Carrying Capacity

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

#### Current De-rating



① Wire gauge: 35 $\text{mm}^2$

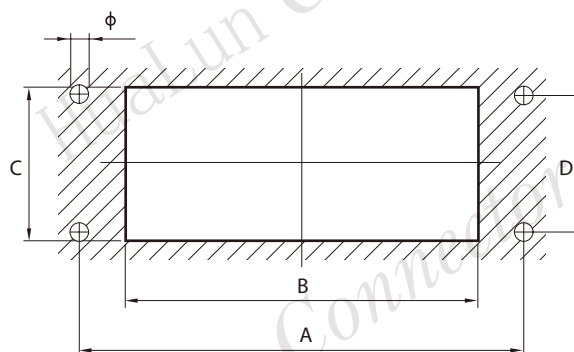
② Wire gauge: 25 $\text{mm}^2$

③ Wire gauge: 16 $\text{mm}^2$

### ■ Hoods/Housings



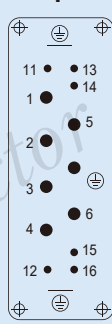


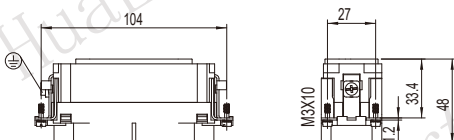
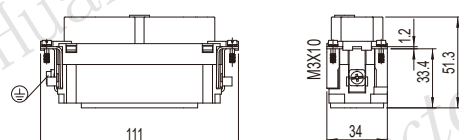
Same to HLE

### Panel Mounted & Mounting Hole



Type	A(mm)	B(mm)	C(mm)	D(mm)	$\phi$ (mm)
HLK 6/6	130	108	35	32	4.4




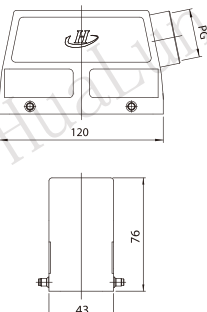
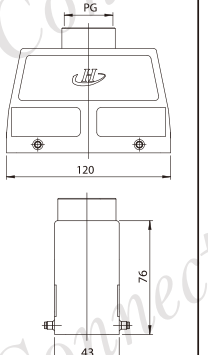
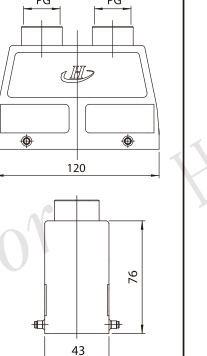
## — K Series Connector —

HLK6/6		690V 100A/16A	
P (Pin)	Contact arrangement View from termination side	S (Socket)	
<div>6/6P + </div> <div></div> <div>Part Number <b>HLK6/6P</b></div>	<div><b>P</b></div> <div></div>	<div>6/6S + </div> <div></div> <div>Part Number <b>HLK6/6S</b></div>	
<div></div>		<div></div>	
Shell style see Page 81			

# — K Series Shell style — K6/6 Code



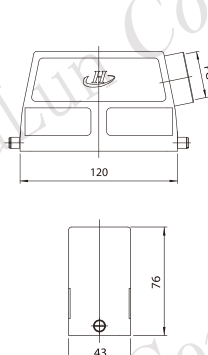
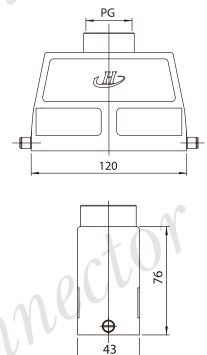
## Plug

Accessories see P98-100

Shell	<b>SE</b> Side Entry PG29 	<b>TE</b> Top Entry PG29 	<b>TT</b> Two-Top Entry PG21 PG16 
	<b>HLK6/6SE</b>	<b>HLK6/6TE</b>	<b>HLK6/6TT</b>
Drawing			


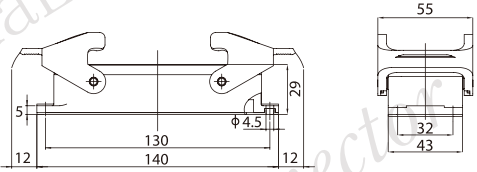
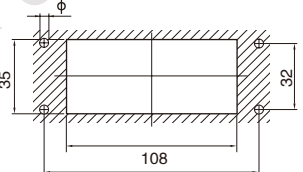
## Plug

Accessories see P98-100

Shell	<b>SEL</b> Side Entry PG29 	<b>TEL</b> Top Entry PG29 
	<b>HLK6/6SEL</b>	<b>HLK6/6TEL</b>
Drawing		



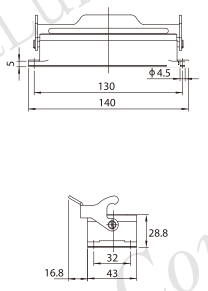
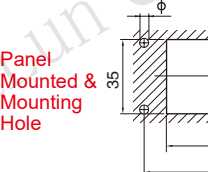
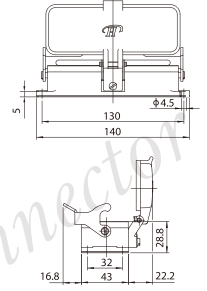
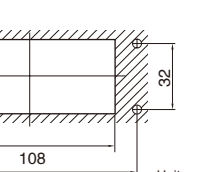
## Receptacle



Shell	<b>BH</b> Bulkhead 
	<b>HLK6/6BH</b>
Drawing	 
	<p>Panel Mounted &amp; Mounting Hole</p> <p>Unit: mm</p>

## Receptacle



Shell	<b>BHL</b> Bulkhead 	<b>BCL</b> Bulkhead With Cap 
	<b>HLK6/6BHL</b>	<b>HLK6/6BCL</b>
Drawing	 	 
	<p>Panel Mounted &amp; Mounting Hole</p> <p>Unit: mm</p>	<p>Panel Mounted &amp; Mounting Hole</p> <p>Unit: mm</p>

K