

Screw

- 6, 12 (2x6) Contacts
- Current: 35A

B Series



HLB Series

Technical Characteristics

■ Inserts

Number of contacts: 6, 12 (2×6)

HLB:	35A	400V/690V	6KV	3
Working current				
Working voltage				
Rated shock voltage				
Pollution degree				
or	35A	500V	6KV	3

Working voltage acc. to UL-CSA 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 ≥ 500
 -mating cycles

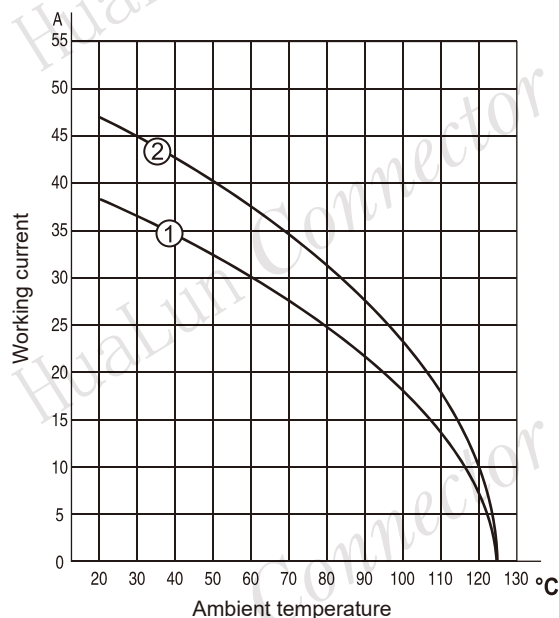
■ Contacts

Material Copper alloy
 Surface - silver plated $3 \mu\text{mAg}$
 Contact resistance $\leq 1\text{m}\Omega$
 Screw terminal mm² 6mm²
 AWG 10AWG
 -Tightening/test torque 1.2Nm

■ Current Carrying Capacity

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

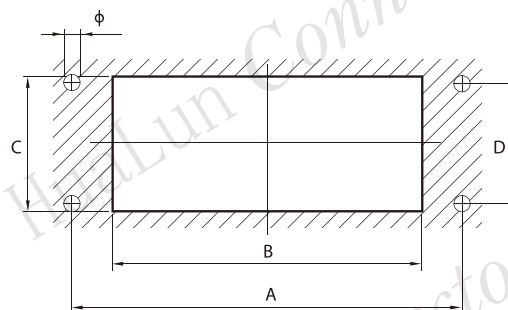
Current De-rating



① Wire gauge: 4mm²



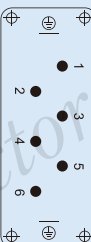
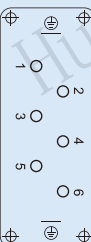


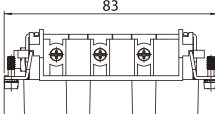
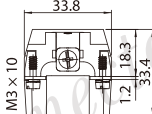
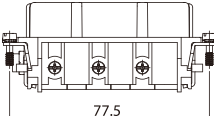
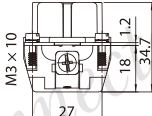
② Wire gauge: 6mm²

Panel Mounted & Mounting Hole



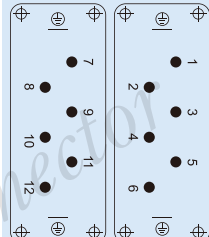
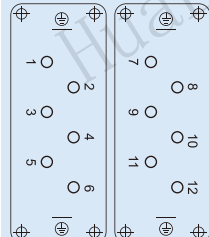


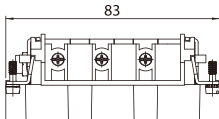
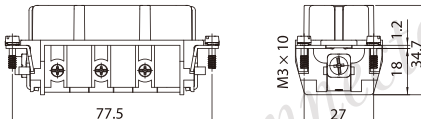


Type	A(mm)	B(mm)	C(mm)	D(mm)	φ (mm)
HLB 6	103	82	35	32	4.4
HLB 12	110	86	71	65	5.5

— B Series Connector —

HLB6		500V 35A	
P (Pin)	Contact arrangement View from termination side		S (Socket)
<div>6P + </div> <div></div> <div>Part Number HLB6P</div>	<div>P</div> <div></div>	<div>S</div> <div></div>	<div>6S + </div> <div></div> <div>Part Number HLB6S</div>
<div></div> <div></div>		<div></div> <div></div>	
Shell style see Page 86~88			

— B Series Connector —





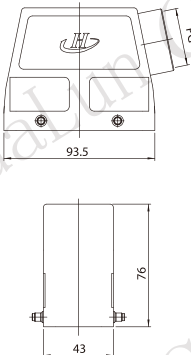
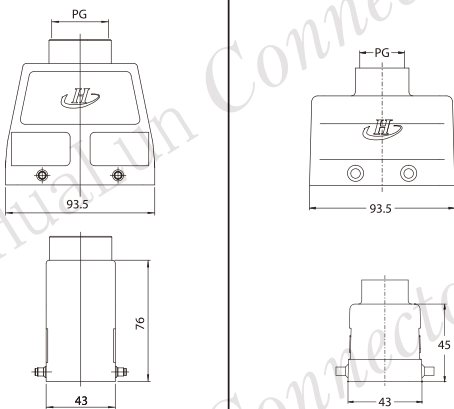
HLB12		500V 35A	
P (Pin)	Contact arrangement View from termination side		S (Socket)
<div>12P + </div> <div></div> <div>Part Number HLB12P</div>	<div>P</div> <div></div>	<div>S</div> <div></div>	<div>12S + </div> <div></div> <div>Part Number HLB12S</div>
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Shell style see Page 89~90			

— B Series Shell style —

B6 Code




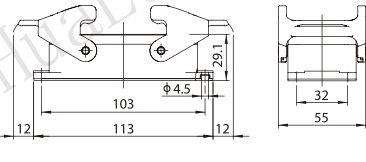
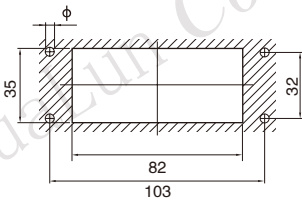
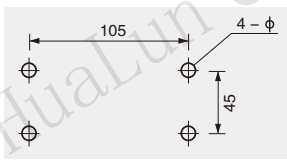
Plug

Accessories see P98-100

Shell	SE Side Entry PG29 	SE Side Entry PG21 PG16 	TE Top Entry PG29 	TE Top Entry PG21 PG16 
Code	HLB6SE		HLB6TE	
Drawing				



Receptacle

Shell	BH Bulkhead 	OS One-Side Entry PG21 PG16 	TS Two-Side Entry PG21 PG16 
Code	HLB6BH	HLB6OS	HLB6TS
Drawing	 <p>Panel Mounted & Mounting Hole</p> 	<p>The mounting panel does not open rectangular holes Drill four holes at center intervals</p> 	

Unit: mm



TUV SUD



ISO9001

ISO14001

ISO45001







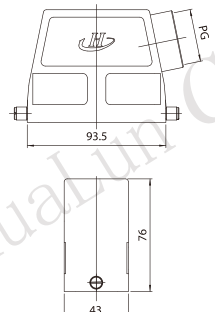
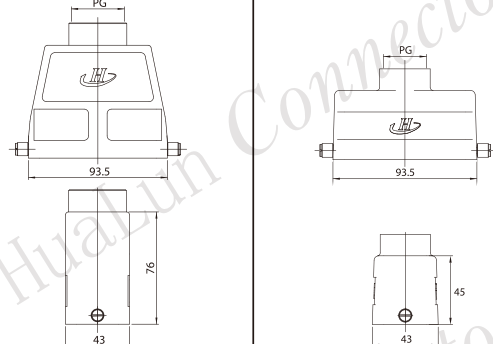
华伦连接器
HuaLun Connector

— B Series Shell style —

B6 Code







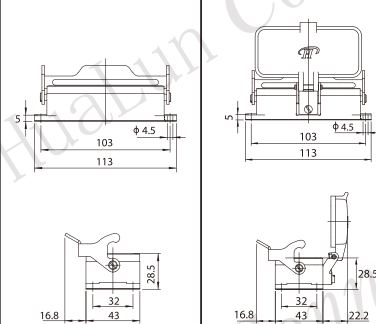
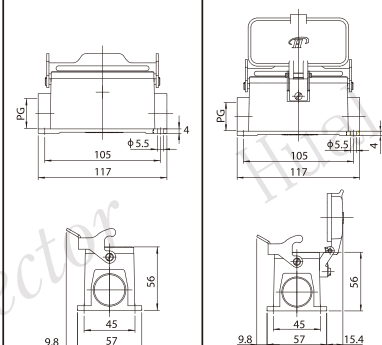
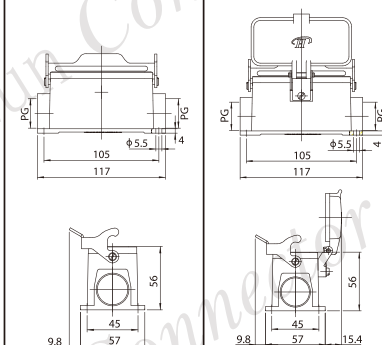
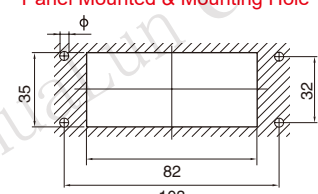
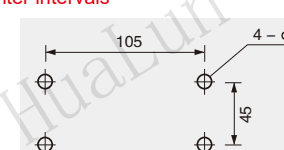
Plug

Accessories see P98-100

Shell	SEL Side Entry  PG29	SEL Side Entry  PG21 PG16	TEL Top Entry  PG29	TEL Top Entry  PG21 PG16
	HLB6SEL		HLB6TEL	
Drawing				

Receptacle



Shell	BHL Bulkhead	BCL Bulkhead With Cap	OSL One-Side Entry	OCL One-Side Entry With Cap	TSL Two-Side Entry	TCL Two-Side Entry With Cap
			 PG21 PG16	 PG21 PG16	 PG21 PG16	 PG21 PG16
Code	HLB6BHL	HLB6BCL	HLB6OSL	HLB6OCL	HLB6TSL	HLB6TCL
Drawing						
			<div><p>The mounting panel does not open rectangular holes Drill four holes at center intervals</p></div>			
Unit: mm						

B

— B Series Shell style —




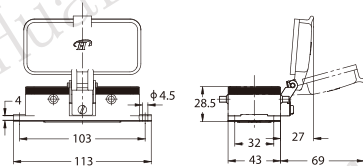
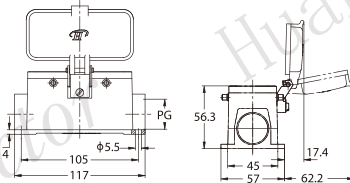
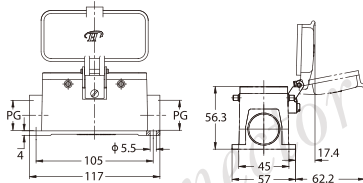
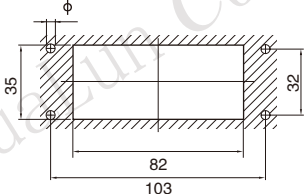
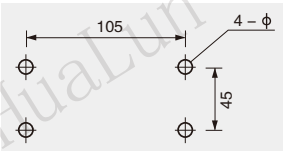
B6 Code

Plug

Accessories see P98-100

Shell	SL Side Entry PG29	SL Side Entry PG21 PG16	TL Top Entry PG29	TL Top Entry PG21 PG16
Code	HLB6SL		HLB6TL	
Drawing				

Receptacle

Shell	BC Bulkhead With Cap	OC One-Side Entry With Cap	TC Two-Side Entry With Cap
		 PG21 PG16	 PG21 PG16
Code	HLB6BC	HLB6OC	HLB6TC
Drawing			
	<p>Panel Mounted & Mounting Hole</p> 	<p>The mounting panel does not open rectangular holes Drill four holes at center intervals</p> 	



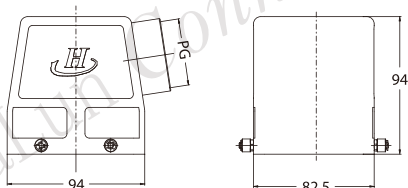
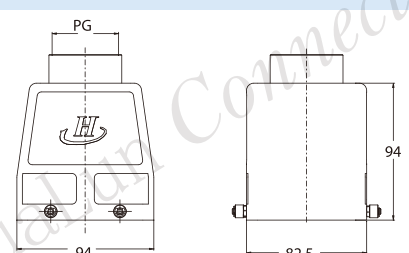
Unit: mm

Unit: mm




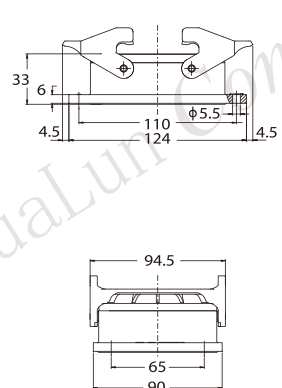
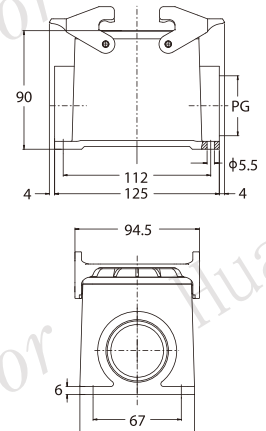
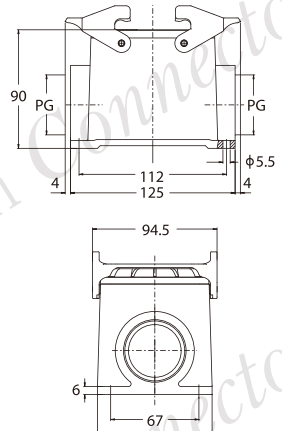
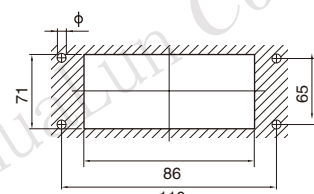
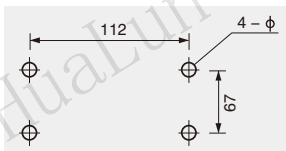
— B Series Shell style — B12 Code

Plug

Accessories see P98-100

Shell	SE Side Entry  PG36 PG29	TE Top Entry  PG36 PG29
Code	HLB12SE	HLB12TE
Drawing		

Receptacle

Shell	BH Bulkhead 	OS One-Side Entry  PG36 PG29	TS Two-Side Entry  PG36 PG29
Code	HLB12BH	HLB12OS	HLB12TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	



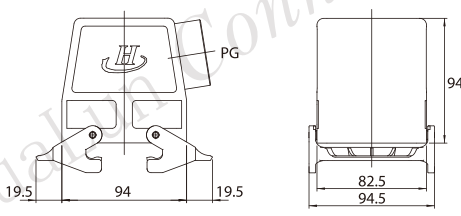
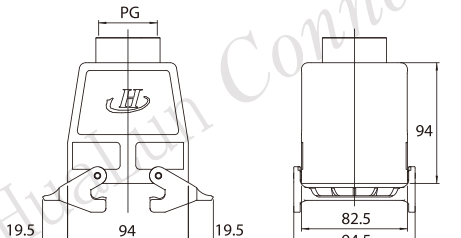
Unit: mm

— B Series Shell style —

B12 Code




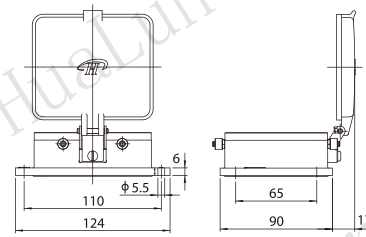
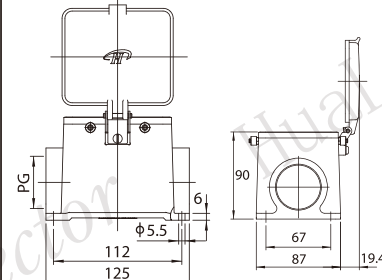
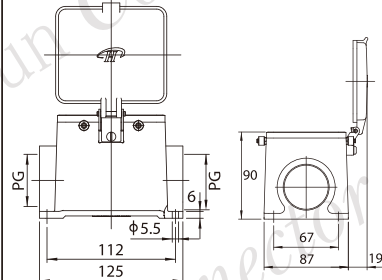
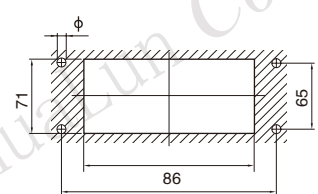
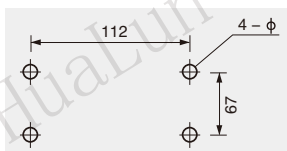
Plug

Accessories see P98-100

Shell	SL Side Entry  PG36 PG29	TL Top Entry  PG36 PG29
	HLB12SL	HLB12TL
Drawing		



Receptacle

Shell	BC Bulkhead With Cap 	OC One-Side Entry With Cap  PG36 PG29	TC Two-Side Entry With Cap  PG36 PG29
	HLB12BC	HLB12OC	HLB12TC
Drawing			
	Panel Mounted & Mounting Hole 	The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm