


Screw

- 3, 4, 10, 16, 32 Contacts
- Current: 10A, 16A

A Series

3+ 



4+ 




10+ 



16+ 



32+ 



HLA Series

Technical Characteristics

■ Inserts

Number of contacts: 3, 4, 10, 16
32 (2×16)+PE

HLA 3 or 4 : 10A 230/400V 4KV 3

Working current

Working voltage

Rated shock voltage

Pollution degree

or 10A 250V 4KV 3

HLA 10, 16 or 32 : 16A 250V 4KV 3

Working current

Working voltage

Rated shock voltage

Pollution degree

Pollution degree 2 also 16A 230/400V 4KV 2

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 $3\mu\text{m Ag}$

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

Screw terminal mm^2 2.5 mm^2

AWG 14AWG

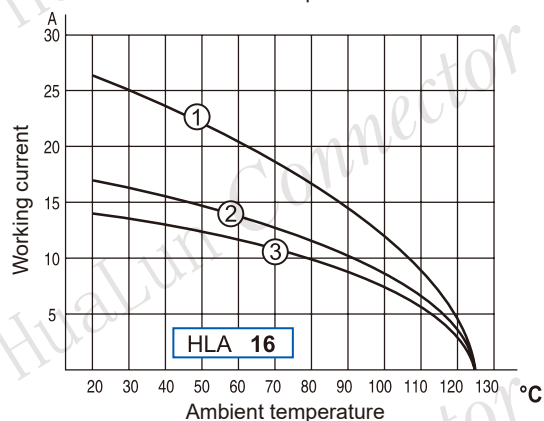
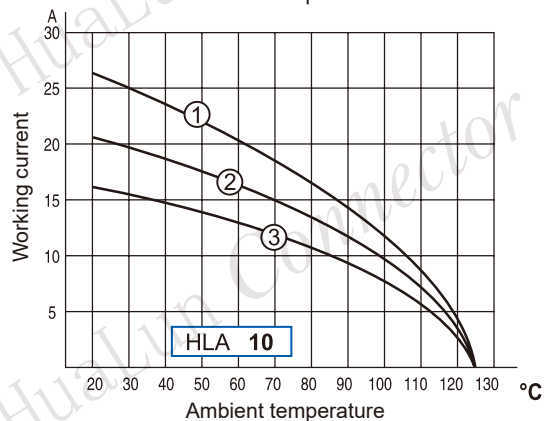
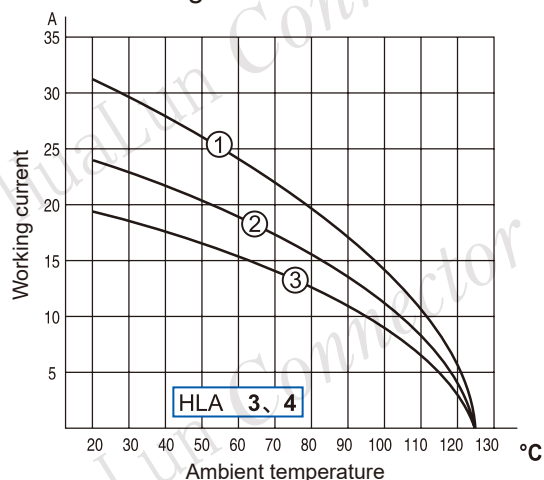
-Tightening/test torque HLA 3, 4: 0.25Nm

HLA10, 16, 32: 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: 2.5 mm^2 ② Wire gauge: 1.5 mm^2
- ③ Wire gauge: 1 mm^2

■ Hoods/Housings

Material Die cast aluminium

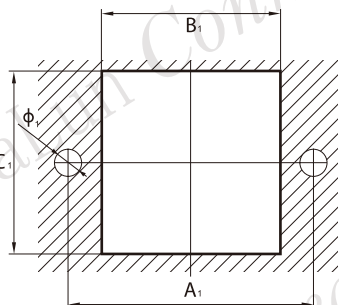
Surface Powder-coated

Degree of protection acc.to IEC/EN IP65/IP67

60529 for coupled connector

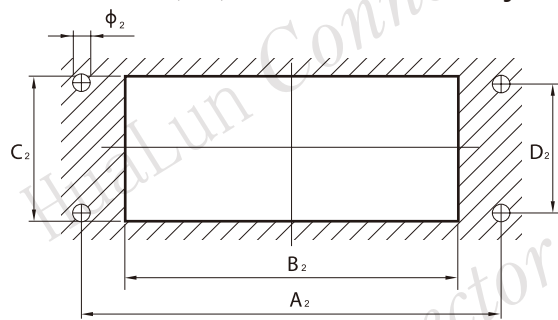
Panel Mounted & Mounting Hole

A Series 3, 4 Contacts Shell style



Type	A ₁ (mm)	B ₁ (mm)	C ₁ (mm)	φ ₁ (mm)
HLA 3、4	30	22	22	3.3

A Series 10, 16, 32 Contacts Shell style



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

— A Series Connector —

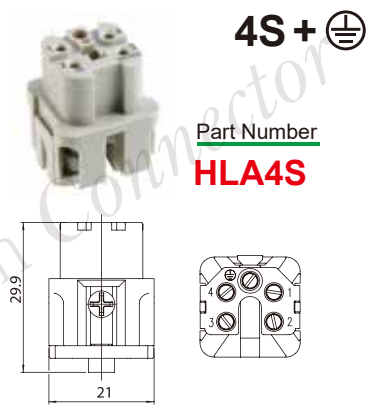
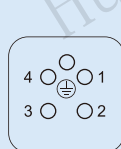
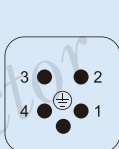
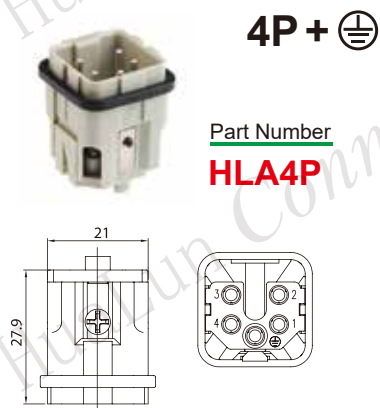
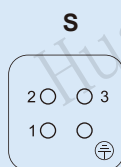
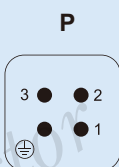
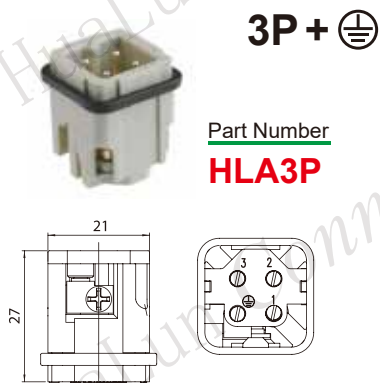
HLA 3 & 4

230/400V 10A

P (Pin)

Contact arrangement View from termination side

S (Socket)



Shell style see Page 9



TUV SUD



ISO9001

ISO14001

ISO45001



华伦连接器
HuaLun Connector

— A Series Connector —

HLA10

250V 16A

P (Pin)

Contact arrangement
View from termination side

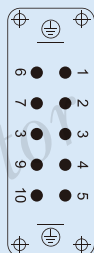
S (Socket)

10P +

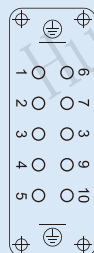


Part Number **HLA10P**

P



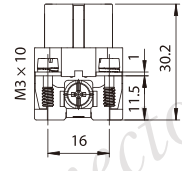
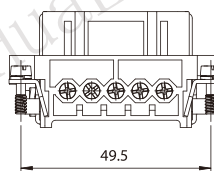
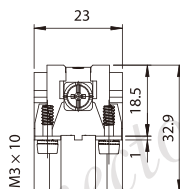
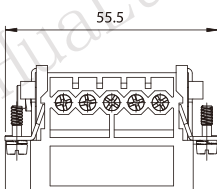
S



10S +



Part Number **HLA10S**



Shell style see Page 10

HLA16

250V 16A

P (Pin)

Contact arrangement
View from termination side

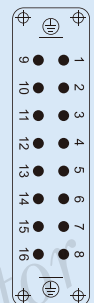
S (Socket)

16P +

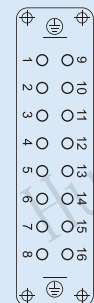


Part Number **HLA16P**

P



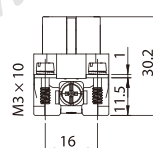
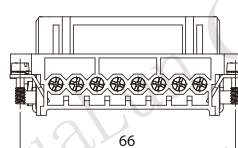
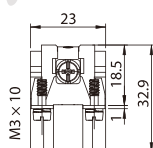
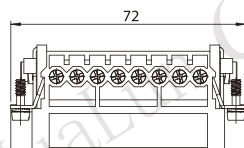
S



16S +



Part Number **HLA16S**



Shell style see Page 11

A

— A Series Connector —

HLA32

250V 16A

P (Pin)

Contact arrangement
View from termination side

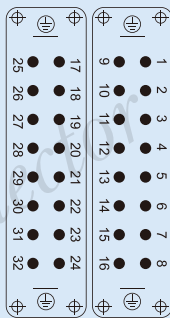
S (Socket)

32P + ⚡

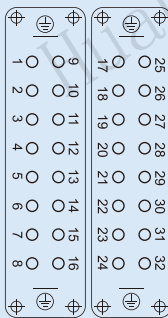


Part Number **HLA32P**

P



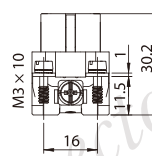
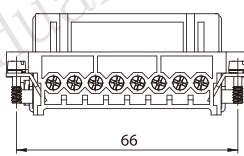
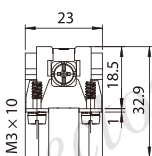
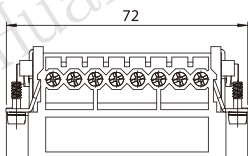
S



32S + ⚡



Part Number **HLA32S**



Shell style see Page 12



TUV SUD



ISO9001

ISO14001

ISO45001





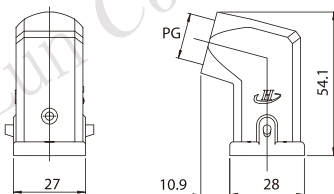
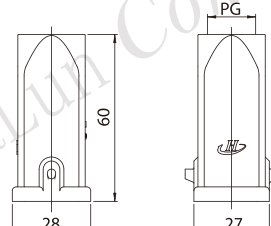
华伦连接器
HuaLun Connector

— A Series Shell style —

A3, A4 Code





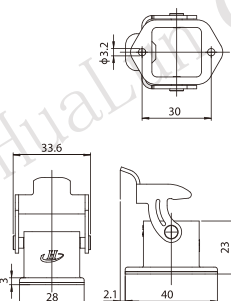
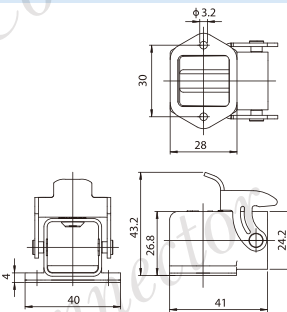
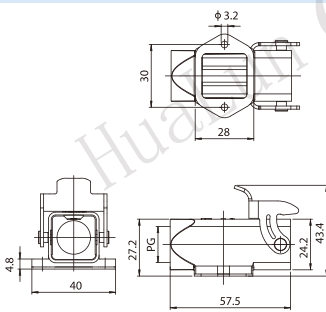
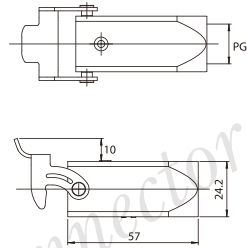
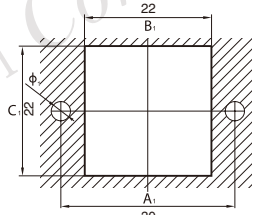
Plug

Accessories see P98-100

Shell	SEL Side Entry 	TEL Top Entry 
	HLA3SEL HLA4SEL	HLA3TEL HLA4TEL
Drawing		



Receptacle

Shell	BHL Bulkhead 	BSL Bulkhead With Side Mating 	OSL One-Side Entry 	CCL Cable To Cable 										
	HLA3BHL HLA4BHL	HLA3BSL HLA4BSL	HLA3OSL HLA4OSL	HLA3CCL HLA4CCL										
Drawing														
<div>  <table border="1"> <thead> <tr> <th>Type</th><th>A₁(mm)</th><th>B₁(mm)</th><th>C₁(mm)</th><th>φ₁(mm)</th></tr> </thead> <tbody> <tr> <td>HLA 3、4</td><td>30</td><td>22</td><td>22</td><td>3.3</td></tr> </tbody> </table> </div>					Type	A ₁ (mm)	B ₁ (mm)	C ₁ (mm)	φ ₁ (mm)	HLA 3、4	30	22	22	3.3
Type	A ₁ (mm)	B ₁ (mm)	C ₁ (mm)	φ ₁ (mm)										
HLA 3、4	30	22	22	3.3										
Unit: mm														



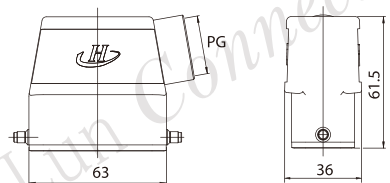
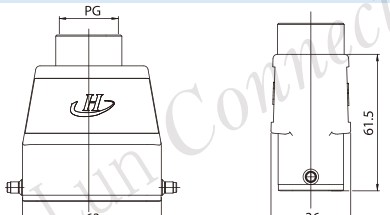
A

— A Series Shell style —



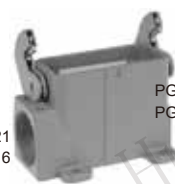


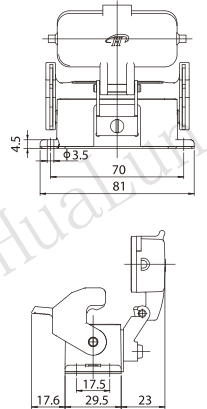
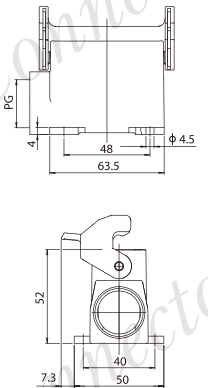
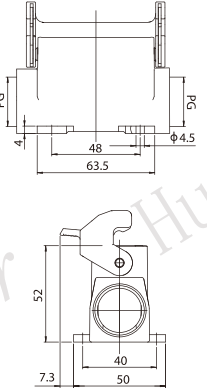
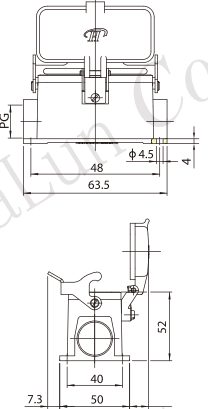
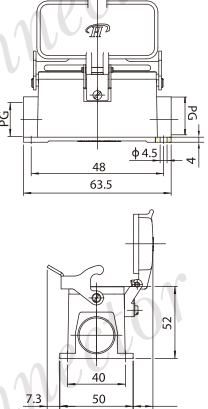
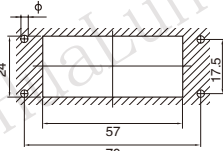
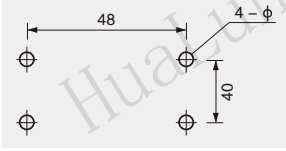
A10 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry		TEL Top Entry	
	HLA10SEL		HLA10TEL	
Drawing				

Receptacle



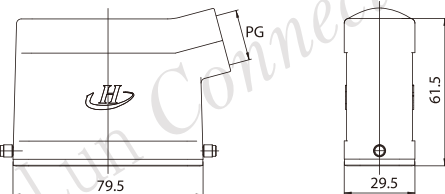
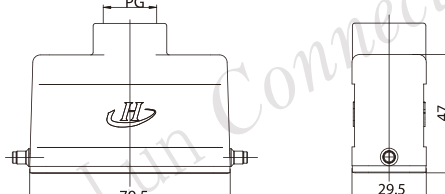
Shell	BCL Bulkhead With Cap	OSL One-Side Entry	TSL Two-Side Entry	OCL One-Side Entry With Cap	TCL Two-Side Entry With Cap
					
Code	HLA10BCL	HLA10OSL	HLA10TSL	HLA10OCL	HLA10TCL
Drawing					
					
Drawing					
					
Drawing					
	<p>Panel Mounted & Mounting Hole</p>  <p>The mounting panel does not open rectangular holes Drill four holes at center intervals</p> 				

Unit: mm




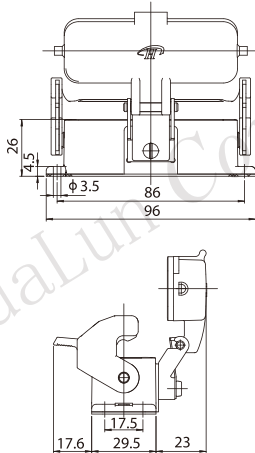
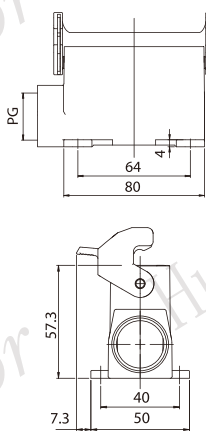
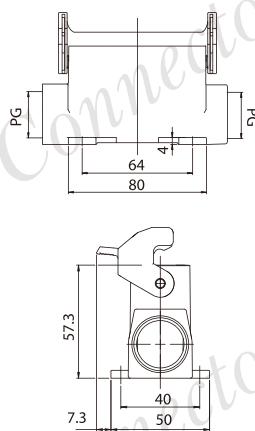
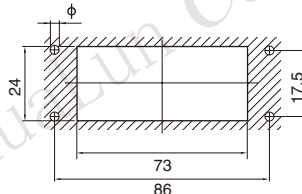
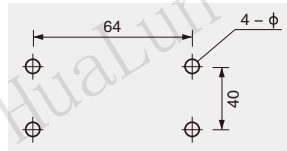
— A Series Shell style — A16 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry  PG16 PG13.5	TEL Top Entry  PG16 PG13.5
Code	HLA16SEL	HLA16TEL
Drawing		

Receptacle



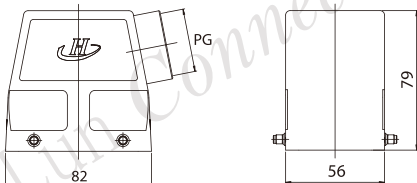
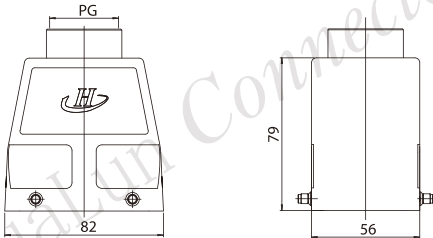
Shell	BCL Bulkhead With Cap 	OSL One-Side Entry  PG16 PG13.5	TSL Two-Side Entry  PG16 PG13.5
Code	HLA16BCL	HLA16OSL	HLA16TSL
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm




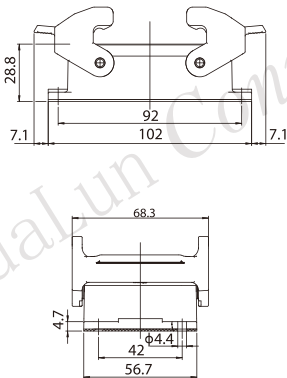
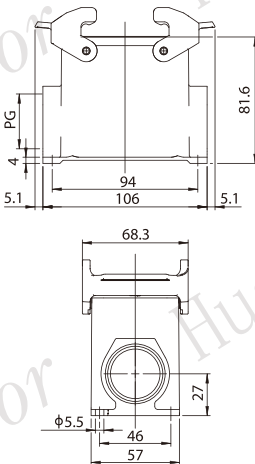
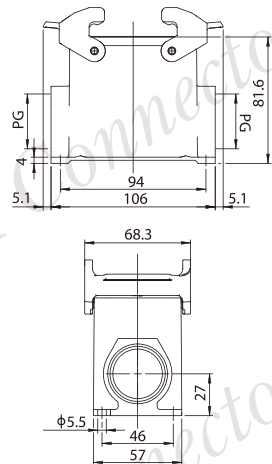
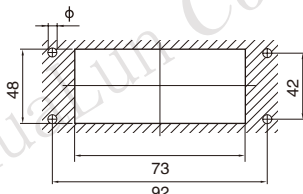
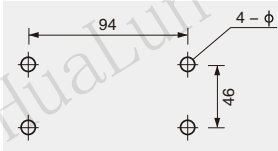
— A Series Shell style — A32 Code

Plug

Accessories see P98-100

Shell	SE Side Entry  PG21 PG29	TE Top Entry  PG21 PG29
Code	HLA32SE	HLA32TE
Drawing		

Receptacle

Shell	BH Bulkhead 	OS One-Side Entry  PG21 PG29	TS Two-Side Entry  PG21 PG29
Code	HLA32BH	HLA32OS	HLA32TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm