

Screw

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

A Series

3+ ⊕



4+ ⊕



10+ ⊕



16+ ⊕



32+ ⊕





TUV SUD



ISO9001

ISO14001

ISO45001



华伦连接器
HuaLun Connector

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

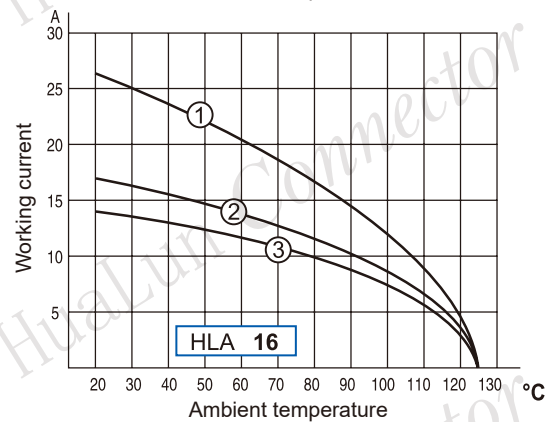
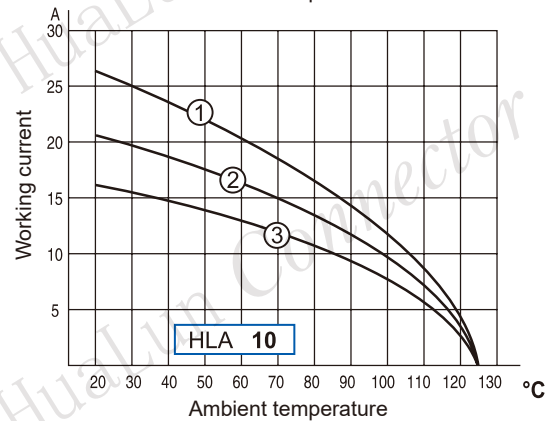
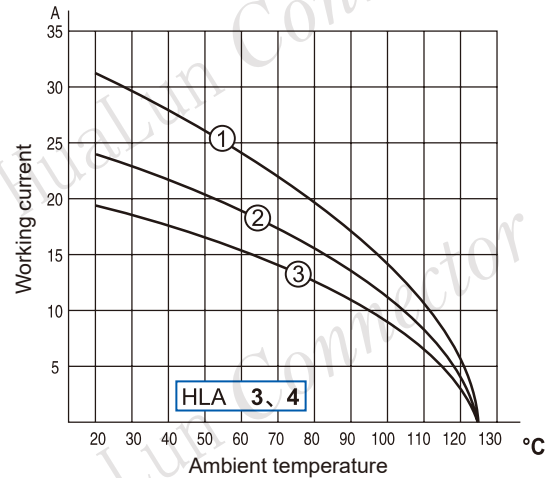
■ Contacts

Material Copper alloy
 Surface - silver plated $3 \mu\text{mAg}$
 Contact resistance $\leq 1\text{m}\Omega$
 Screw terminal mm² 2.5 mm²
 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 mm²
- ② Wire gauge: 1.5 mm²
- ③ Wire gauge: 1 mm²

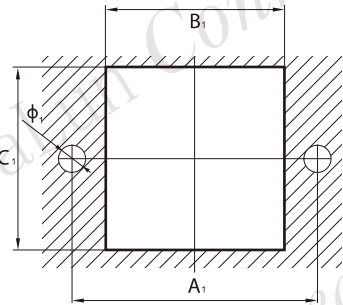
■ Hoods/Housings

Material Die cast aluminium
 Surface Powder-coated
 Degree of protection acc.to IEC/EN IP65/IP67
 60529 for coupled connector

A

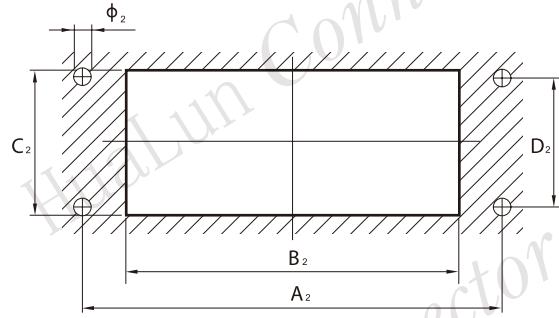
Panel Mounted & Mounting Hole

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

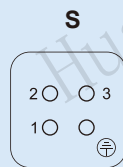
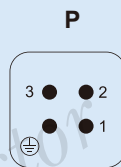
P (Pin)

Contact arrangement
View from termination side

S (Socket)

3P + ⊕

Part Number
HLA3P

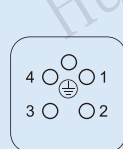
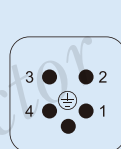


3S + ⊕

Part Number
HLA3S

4P + ⊕

Part Number
HLA4P



4S + ⊕

Part Number
HLA4S

Shell style see Page 9



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ISO9001

ISO14001


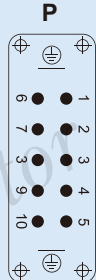
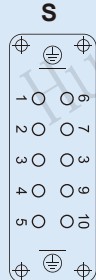

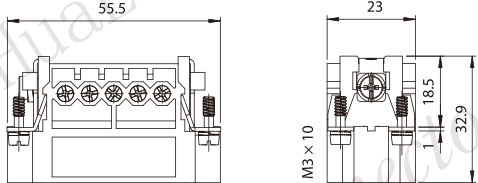
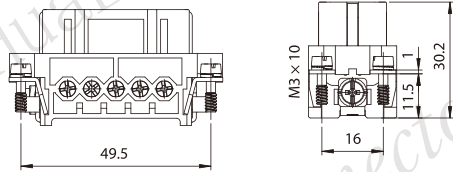
ISO45001


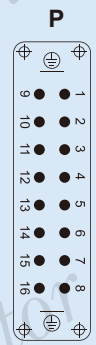
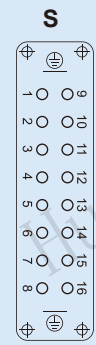

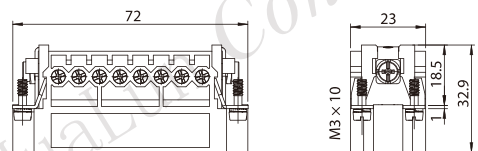
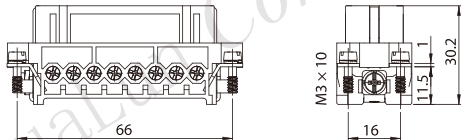


华伦连接器
HuaLun Connector

— A Series Connector —

A

HLA10		250V 16A	
P (Pin)	Contact arrangement View from termination side	S (Socket)	
<p>10P + ⚡</p>  <p>Part Number HLA10P</p>	<p>P</p> 	<p>S</p> 	<p>10S + ⚡</p>  <p>Part Number HLA10S</p>
			
Shell style see Page 10			

HLA16		250V 16A	
P (Pin)	Contact arrangement View from termination side	S (Socket)	
<p>16P + ⚡</p>  <p>Part Number HLA16P</p>	<p>P</p> 	<p>S</p> 	<p>16S + ⚡</p>  <p>Part Number HLA16S</p>
			
Shell style see Page 11			

— A Series Connector —

HLA32

250V 16A

P (Pin)

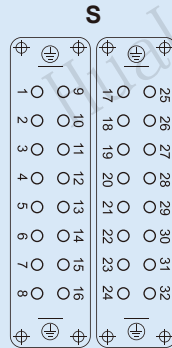
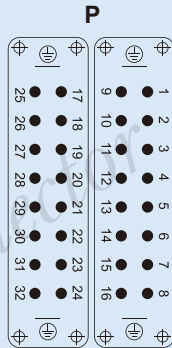
Contact arrangement
View from termination side

S (Socket)



32P + ⚡

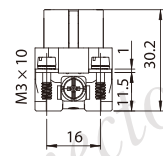
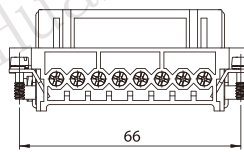
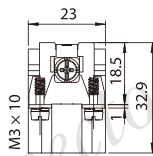
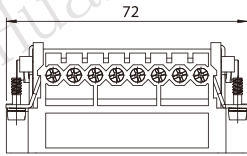
Part Number **HLA32P**



32S + ⚡



Part Number **HLA32S**



Shell style see Page 12

A



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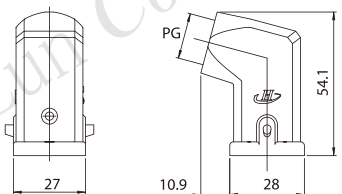
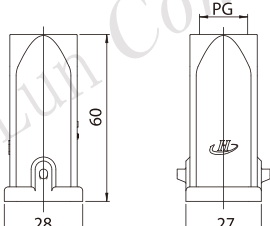


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HuaLun Connector

— A Series Shell style — A3, A4 Code





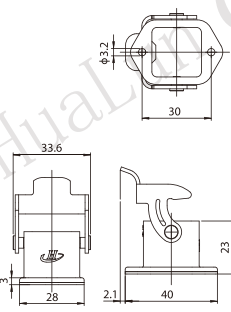
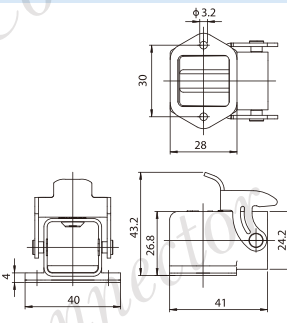
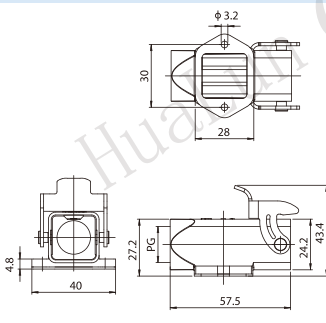
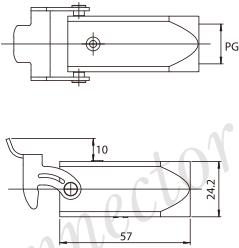
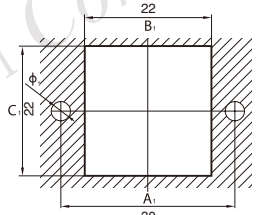
Plug

Accessories see P98-100

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



Receptacle

Shell	BHL Bulkhead 	BSL Bulkhead With Side Mating 	OSL One-Side Entry 	CCL Cable To Cable 										
Code	HLA3BHL HLA4BHL	HLA3BSL HLA4BSL	HLA3OSL HLA4OSL	HLA3CCL HLA4CCL										
Drawing														
<p>Panel Mounted & Mounting Hole</p>  <table border="1" data-bbox="694 1875 1085 1951"> <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> <p style="text-align: right;">Unit: mm</p>					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										



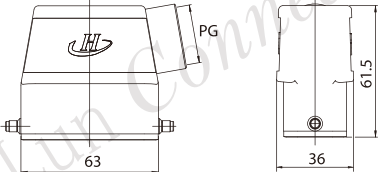
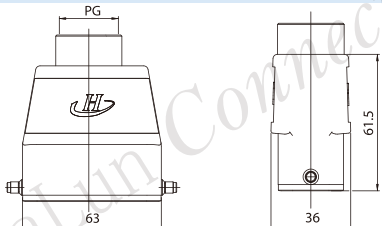
A

— A Series Shell style —

A10 Code



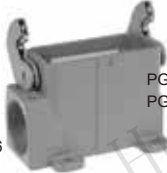


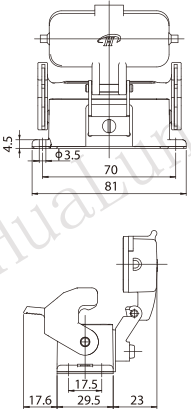
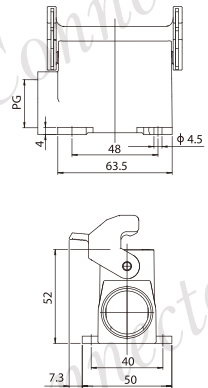
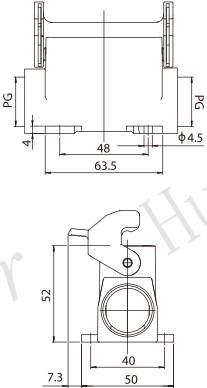
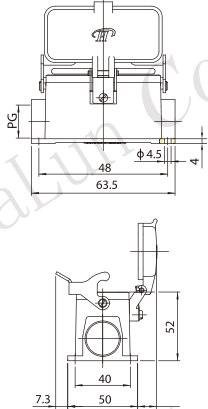
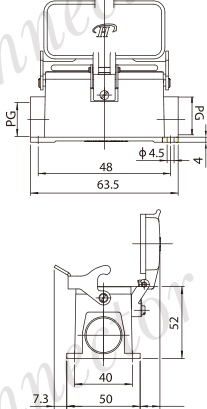
Plug

Accessories see P98-100

Shell	SEL Side Entry 	TEL Top Entry 
Code	HLA10SEL	HLA10TEL
Drawing		

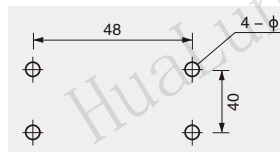
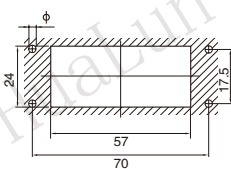


Receptacle

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					

Panel Mounted & Mounting Hole

The mounting panel does not open rectangular holes
Drill four holes at center intervals



Unit: mm



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ISO9001 ISO14001 ISO45001



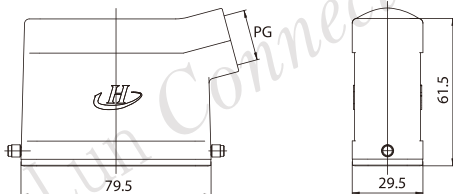
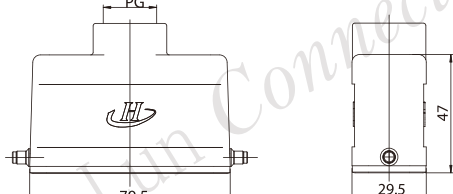


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HuaLun Connector

— A Series Shell style — A16 Code

Plug




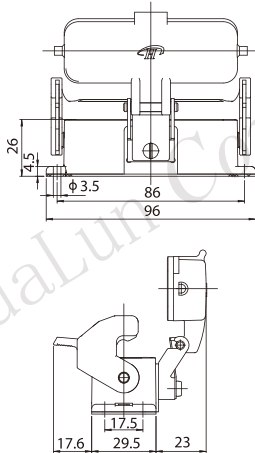
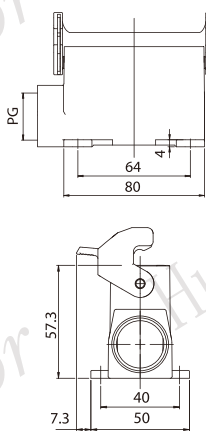
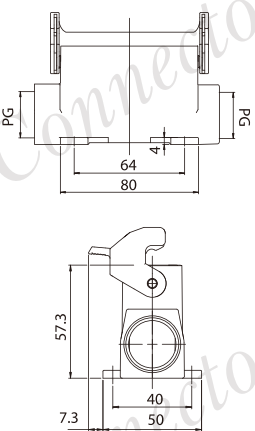
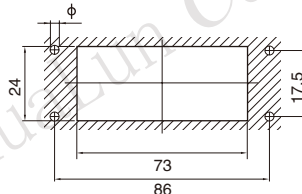
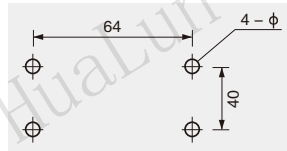
Accessories see P98-100

Shell	SEL Side Entry  PG16 PG13.5	TEL Top Entry  PG16 PG13.5
	HLA16SEL	HLA16TEL
Drawing	 Dimensions: 79.5, 61.5, 29.5	 Dimensions: 79.5, 47, 29.5

A

Receptacle



Shell	BCL Bulkhead With Cap 	OSL One-Side Entry  PG16 PG13.5	TSL Two-Side Entry  PG16 PG13.5
	HLA16BCL	HLA16OSL	HLA16TSL
Drawing	 Dimensions: 26, 4.5, 3.5, 86, 96, 17.6, 17.5, 29.5, 23	 Dimensions: 64, 4, 80, 57.3, 7.3, 40, 50	 Dimensions: 64, 4, 80, 57.3, 7.3, 40, 50
	Panel Mounted & Mounting Hole  Dimensions: 24, 73, 86, 17.5	The mounting panel does not open rectangular holes Drill four holes at center intervals  Dimensions: 64, 40, 4-φ	

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			
	<p style="color: red;">Panel Mounted & Mounting Hole</p>	<p style="color: red;">The mounting panel does not open rectangular holes Drill four holes at center intervals</p>	

Unit: mm