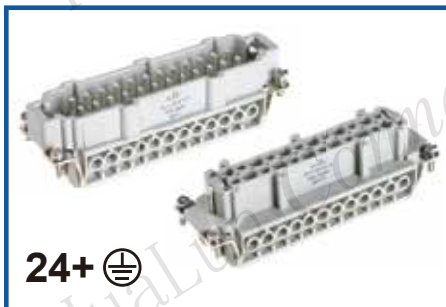
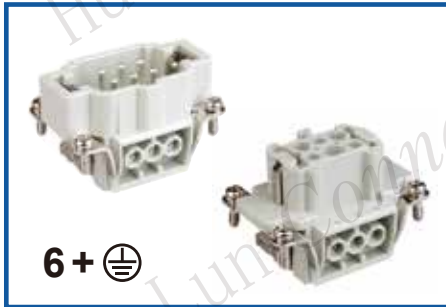


Screw

- 6, 10, 16, 24, 32, 48 Contacts
- Current: 16A

E Series



HLE Series

Technical Characteristics

■ Inserts

Number of contacts: 6, 10, 16, 24
32 (2×16), 48 (2×24)+PE

HLE	16A	500V	6KV	3
Working current				
Working voltage				
Rated shock voltage				
Pollution degree				
Pollution degree 2 also	16A	400/690V	6KV	2

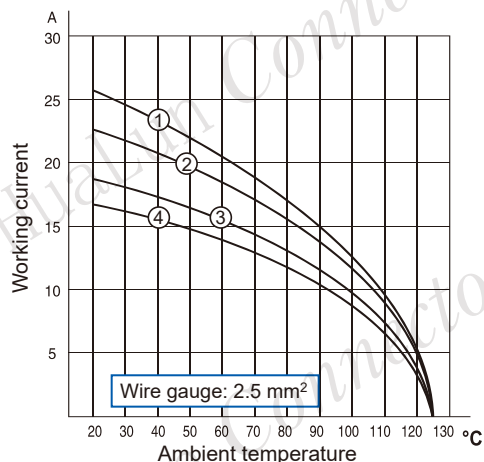
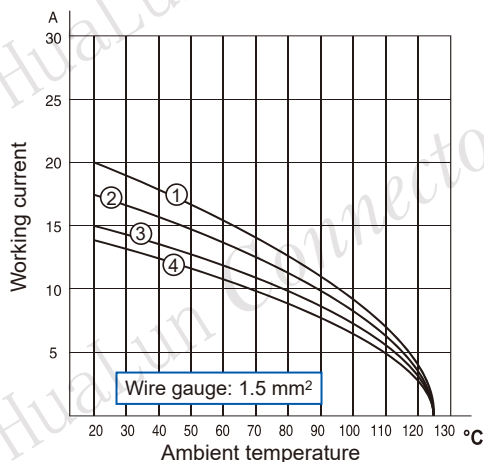
Working voltage acc. to UL-CSA 600V
Insulation resistance $\geq 10^{10} \Omega$
Material Polycarbonate
Temperature range $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Flammability acc. to UL 94 V-0
Mechanical working life -mating cycles ≥ 500

■ 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 0.5Nm

■ Current Carrying Capacity

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

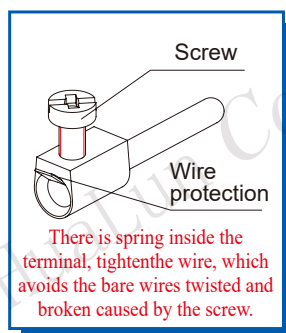


- ① HLE 6
- ② HLE 10
- ③ HLE 16
- ④ HLE 24

■ Hoods/Housings

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

■ Screw Terminal

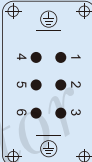
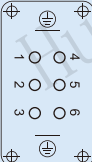
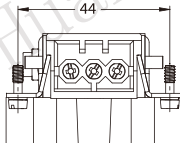
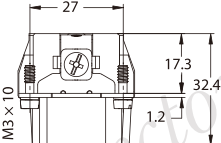
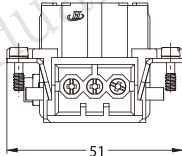
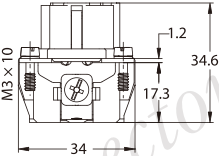


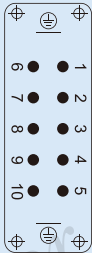
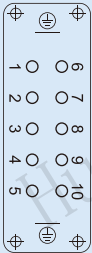
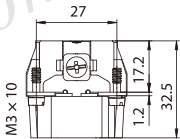
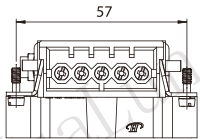
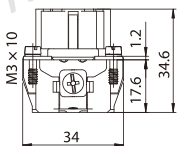
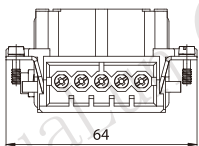
Tightening/test torque

Wire Gauge	1.5	2.5	4	6	10	16
Screw	M3	M3	M3.5	M4	M4	M6
Test torque	0.5	0.5	0.8	1.2	1.2	1.2*
Minimum pull-out force of the stranded wire	40	50	60	80	90	60

* For headless fixing bolts HLK 4/8

— E Series Connector —

HLE6		500V 16A	
P (Pin)	Contact arrangement View from termination side		S (Socket)
6P +   Part Number HLE6P	P 	S 	6S +   Part Number HLE6S
 	 		
Shell style see Page 56			

HLE10		500V 16A	
P (Pin)	Contact arrangement View from termination side		S (Socket)
10P +   Part Number HLE10P	P 	S 	10S +   Part Number HLE10S
			
Shell style see Page 57~59			

— E Series Connector —

HLE16

500V 16A

P (Pin)

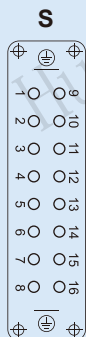
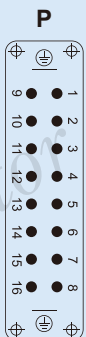
Contact arrangement
View from termination side

S (Socket)

16P + ⊕



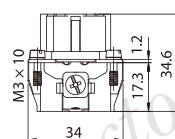
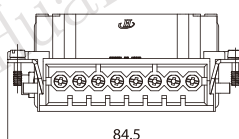
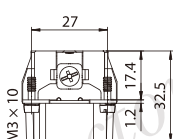
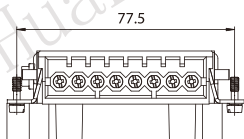
Part Number **HLE16P**



16S + ⊕



Part Number **HLE16S**



Shell style see Page 60~62

HLE24

500V 16A

P (Pin)

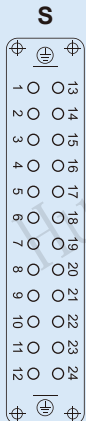
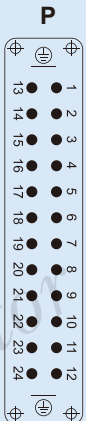
Contact arrangement
View from termination side

S (Socket)

24P + ⊕



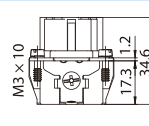
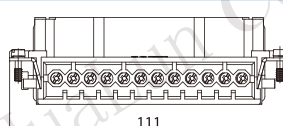
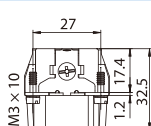
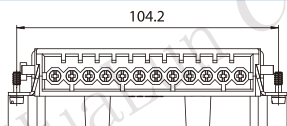
Part Number **HLE24P**



24S + ⊕



Part Number **HLE24S**



Shell style see Page 63~65

— E Series Connector —

HLE32

500V 16A

P (Pin)

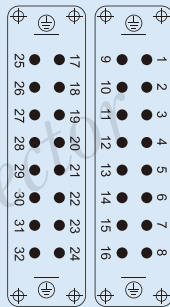
Contact arrangement View from termination side

S (Socket)

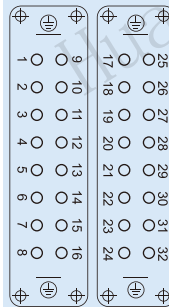
32P +


Part Number **HLE32P**

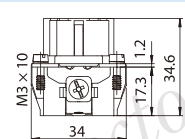
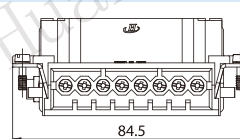
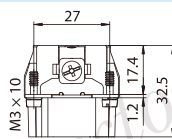
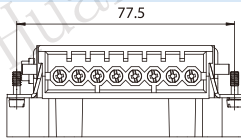
P



S



32S +


Part Number **HLE32S**


Shell style see Page 66~67

HLE48

500V 16A

P (Pin)

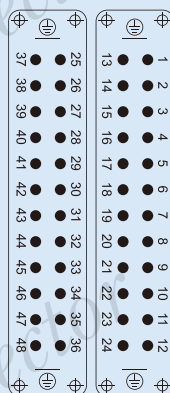
Contact arrangement View from termination side

S (Socket)

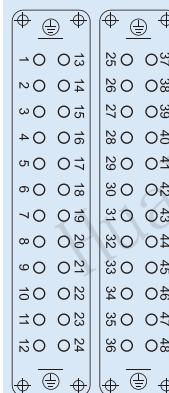
48P +


Part Number **HLE48P**

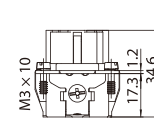
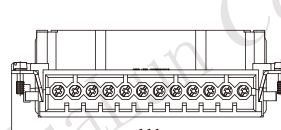
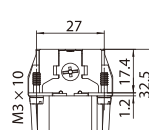
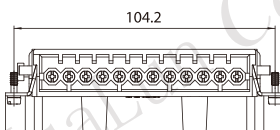
P



S



48S +


Part Number **HLE48S**


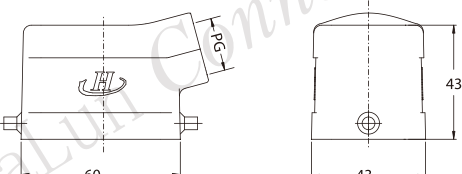
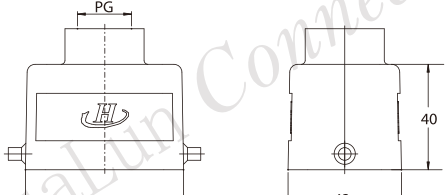
Shell style see Page 68

— E Series Shell style —

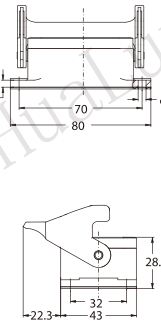
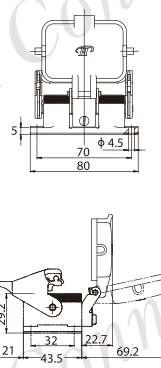
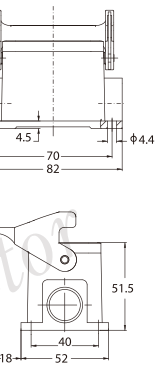
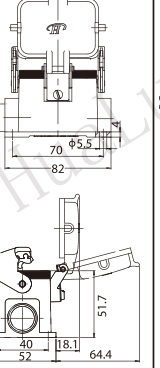
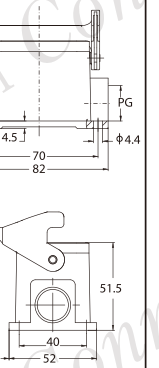
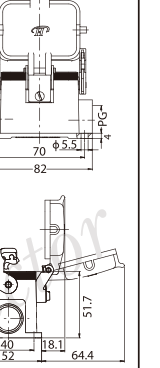
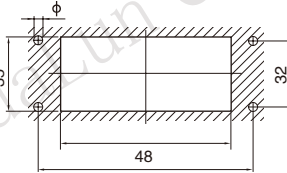
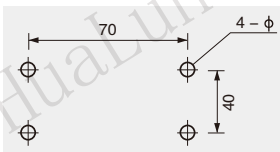
E6 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry 	TEL Top Entry 
	HLE6SEL	HLE6TEL
Drawing		

Receptacle

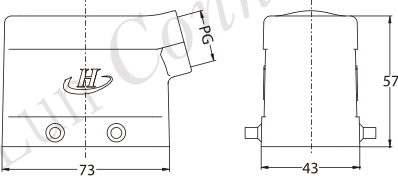
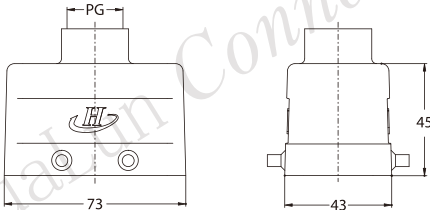
Shell	BHL Bulkhead 	BCL Bulkhead With Cap 	OSL One-Side Entry 	OCL One-Side Entry With Cap 	TSL Two-Side Entry 	TCL Two-Side Entry With Cap 
	HLE6BHL	HLE6BCL	HLE6OSL	HLE6OCL	HLE6TSL	HLE6TCL
Drawing						
		The mounting panel does not open rectangular holes Drill four holes at center intervals 				

Unit: mm

— E Series Shell style — E10 Code

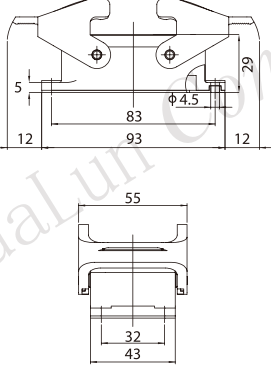
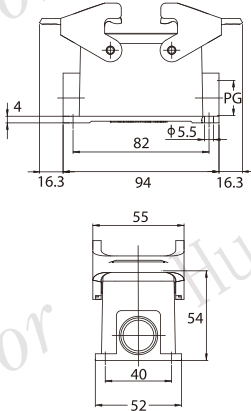
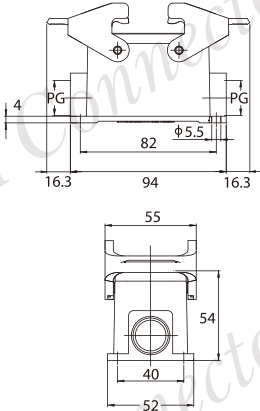
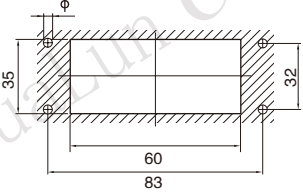
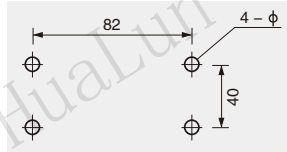
Plug

Accessories see P98-100

Shell	SE Side Entry  PG13.5 PG16	TE Top Entry  PG13.5 PG16
Code	HLE10SE	HLE10TE
Drawing		

Receptacle



Shell	BH Bulkhead 	OS One-Side Entry  PG13.5 PG16	TS Two-Side Entry  PG13.5 PG16
Code	HLE10BH	HLE10OS	HLE10TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm

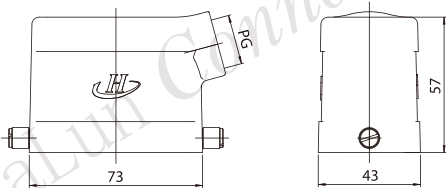
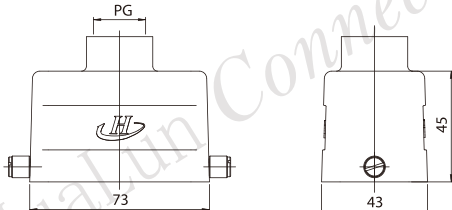
E

— E Series Shell style —

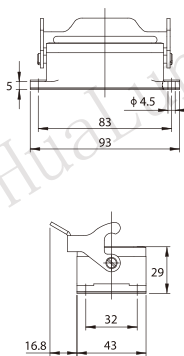
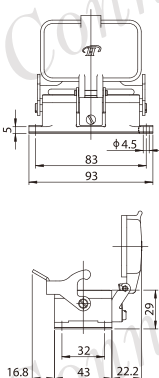
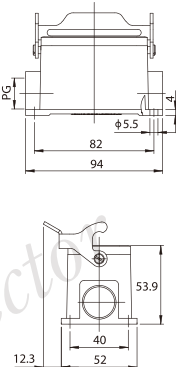
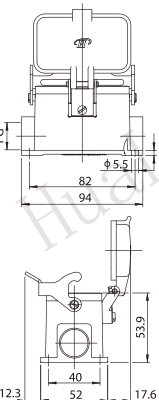
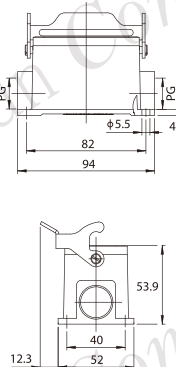
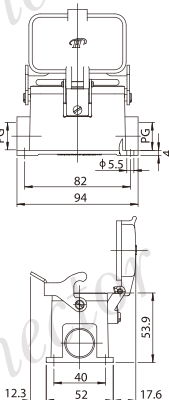
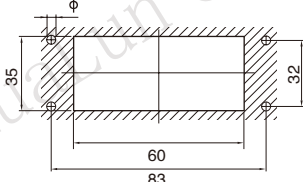
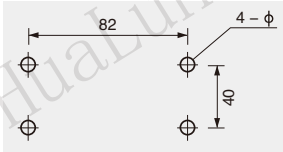
E10 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry  PG13.5 PG16	TEL Top Entry  PG13.5 PG16
Code	HLE10SEL	HLE10TEL
Drawing	 73 57 43	 PG 73 45 43

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
			 PG13.5 PG16	 PG13.5 PG16	 PG13.5 PG16	 PG13.5 PG16
Code	HLE10BHL	HLE10BCL	HLE10OSL	HLE10OCL	HLE10TSL	HLE10TCL
Drawing						
Panel Mounted & Mounting Hole 			The mounting panel does not open rectangular holes Drill four holes at center intervals 			
Unit: mm						

Unit: mm



TUV SUD



ISO9001

ISO14001

ISO45001



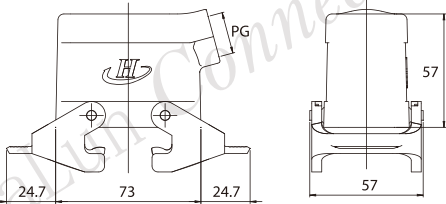
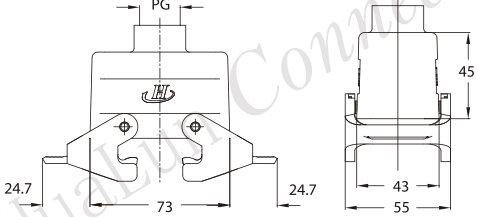
华伦连接器
HuaLun Connector

— E Series Shell style —

E10 Code

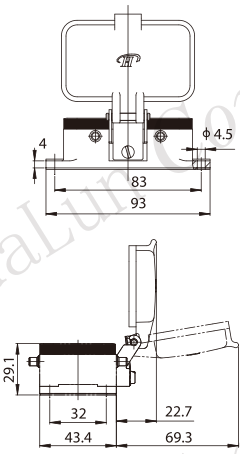
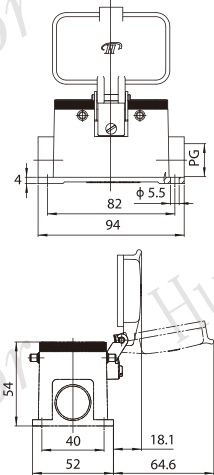
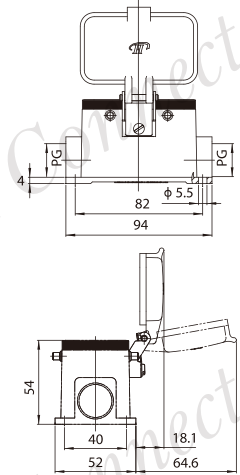
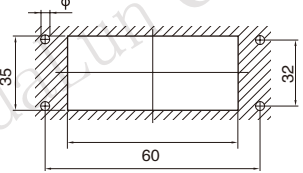
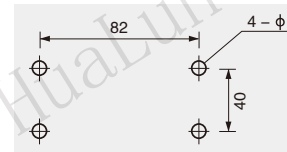
Plug

Accessories see P98-100

Shell	SL Side Entry	 PG13.5 PG16	TL Top Entry	 PG13.5 PG16
	HLE10SL		HLE10TL	
Drawing				

Receptacle



Shell	BC Bulkhead With Cap	OC One-Side Entry With Cap	TC Two-Side Entry With Cap
		 PG13.5 PG16	 PG13.5 PG16
Code	HLE10BC	HLE10OC	HLE10TC
			
Drawing		The mounting panel does not open rectangular holes Drill four holes at center intervals 	
		Unit: mm	

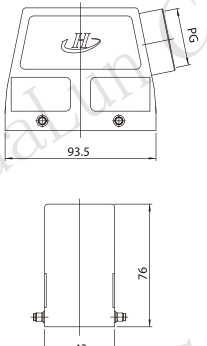
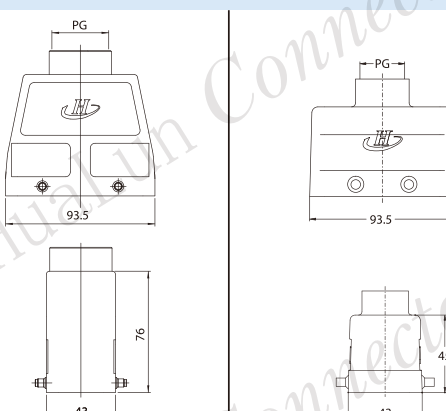
E

— E Series Shell style —

E16 Code

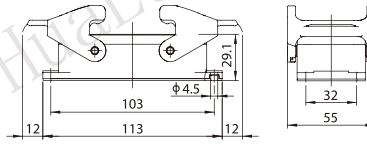
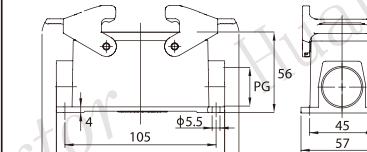
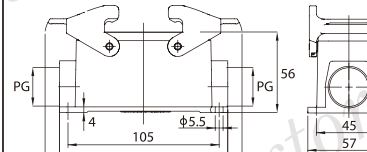
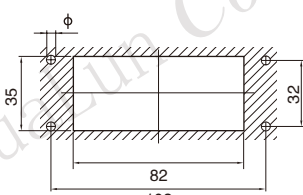
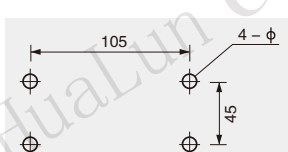
Plug

Accessories see P98-100

Shell	SE Side Entry PG29 	SE Side Entry PG21 PG16 	TE Top Entry PG29 	TE Top Entry PG21 PG16 
Code	HLE16SE		HLE16TE	
Drawing				



Receptacle

Shell	BH Bulkhead 	OS One-Side Entry PG21 PG16 	TS Two-Side Entry PG21 PG16 
Code	HLE16BH	HLE16OS	HLE16TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm



TUV SUD



ISO9001

ISO14001

ISO45001



华伦连接器
HuaLun Connector

— E Series Shell style —

E16 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
Code	HLE16SEL		HLE16TEL	
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
Code	HLE16BHL	HLE16BCL	HLE16OSL	HLE16OCL	HLE16TSL	HLE16TCL
Drawing						
Panel Mounted & Mounting Hole 			The mounting panel does not open rectangular holes Drill four holes at center intervals 			Unit: mm

E

— E Series Shell style —

E16 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	HLE16SL		HLE16TL	
Drawing				

Receptacle



Shell	BC Bulkhead With Cap	OC One-Side Entry With Cap PG21 PG16	TC Two-Side Entry With Cap PG21 PG16
Code	HLE16BC	HLE16OC	HLE16TC
Drawing	Panel Mounted & Mounting Hole The mounting panel does not open rectangular holes Drill four holes at center intervals		

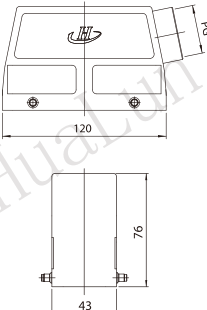
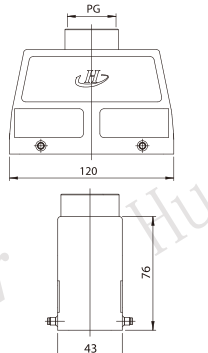
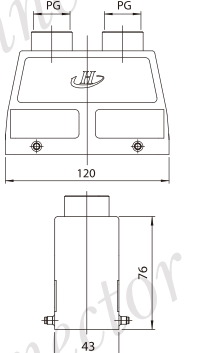
Unit: mm

— E Series Shell style —

E24 Code

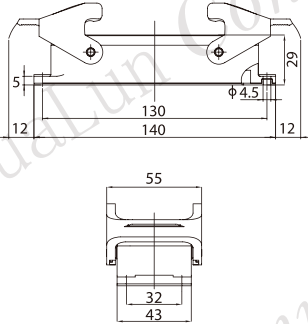
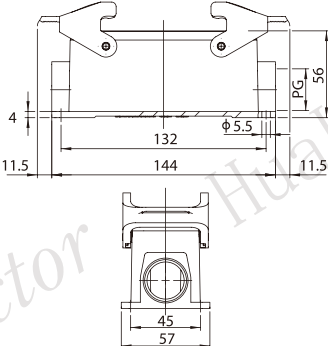
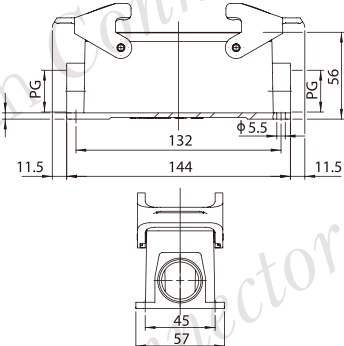
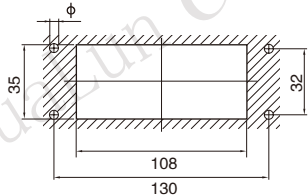
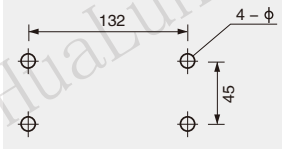
Plug

Accessories see P98-100

Shell	SE Side Entry PG29 	SE Side Entry PG21 PG16 	TE Top Entry PG29 	TE Top Entry PG21 PG16 	TT Two-Top Entry PG21 PG16 
Code	HLE24SE		HLE24TE		HLE24TT
Drawing					



Receptacle

Shell	BH Bulkhead 	OS One-Side Entry PG21 PG16 	TS Two-Side Entry PG21 PG16 
Code	HLE24BH	HLE24OS	HLE24TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm

— E Series Shell style —

E24 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
Code	HLE24SEL		HLE24TEL	
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	HLE24BHL	HLE24BCL	HLE24OSL	HLE24OCL	HLE24TSL	HLE24TCL
Drawing						
Panel Mounted & Mounting Hole 			The mounting panel does not open rectangular holes Drill four holes at center intervals 			
Unit: mm						

Unit: mm

— E Series Shell style — E24 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	HLE24SL		HLE24TL	
Drawing				

Receptacle



Shell	BC Bulkhead With Cap	OC One-Side Entry With Cap	TC Two-Side Entry With Cap	
Code	HLE24BC	HLE24OC	HLE24TC	
Drawing	Panel Mounted & Mounting Hole			The mounting panel does not open rectangular holes Drill four holes at center intervals

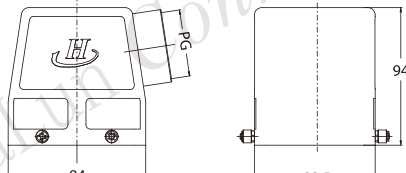
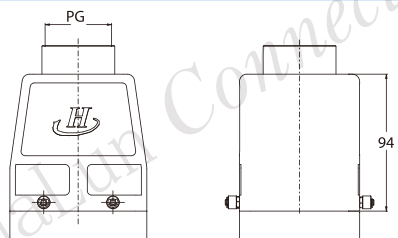
Unit: mm

— E Series Shell style —

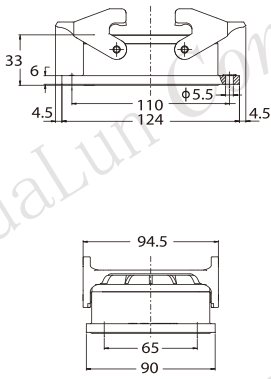
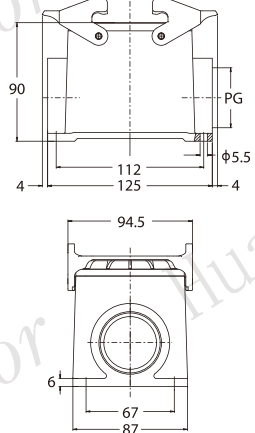
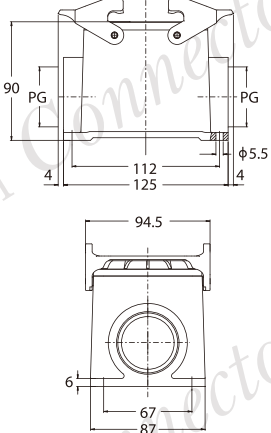
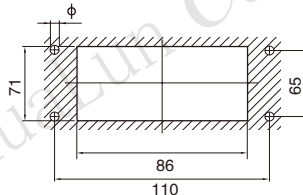
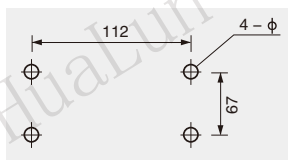
E32 Code

Plug

Accessories see P98-100

Shell	SE Side Entry	 PG36 PG29	TE Top Entry	 PG36 PG29
	HLE32SE		HLE32TE	
	 94 82.5 94		 PG 94 82.5 94	

Receptacle

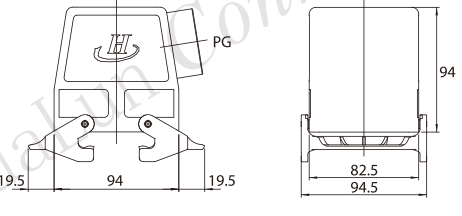
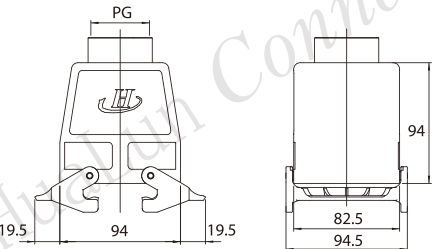
Shell	BH Bulkhead	OS One-Side Entry	TS Two-Side Entry
	 PG36 PG29	 PG36 PG29	 PG36 PG29
	HLE32BH	HLE32OS	HLE32TS
Drawing	 33 6 4.5 110 124 4.5 94.5 65 90	 90 PG 112 125 4 94.5 6 67 87	 90 PG 112 125 4 94.5 6 67 87
	Panel Mounted & Mounting Hole  71 86 110 65	The mounting panel does not open rectangular holes Drill four holes at center intervals  112 4 - ϕ 67	

Unit: mm

— E Series Shell style — E32 Code

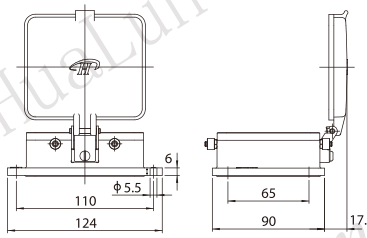
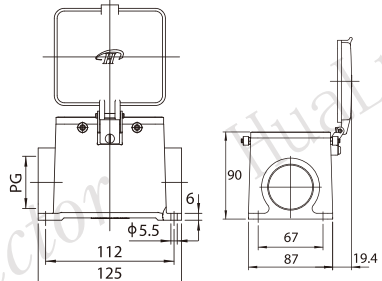
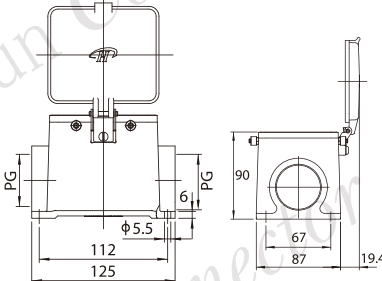
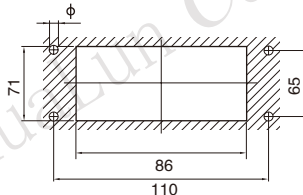
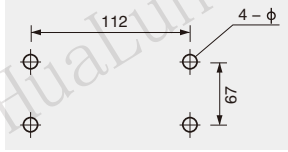
Plug

Accessories see P98-100

Shell	SL Side Entry  PG36 PG29	TL Top Entry  PG36 PG29
Code	HLE32SL	HLE32TL
Drawing		



Receptacle

Shell	BC Bulkhead With Cap 	OC One-Side Entry With Cap  PG36 PG29	TC Two-Side Entry With Cap  PG36 PG29
Code	HLE32BC	HLE32OC	HLE32TC
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

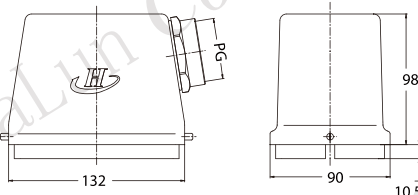
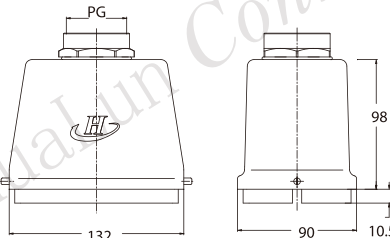
Unit: mm

— E Series Shell style —

E48 Code

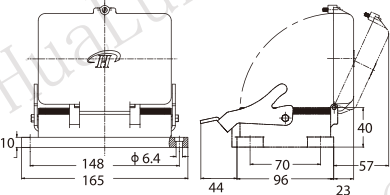
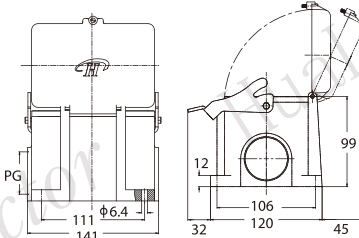
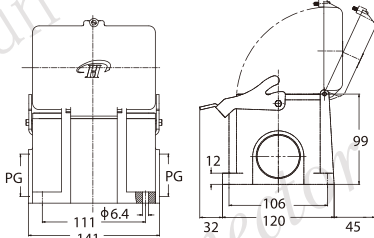
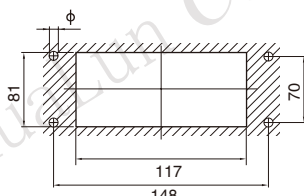
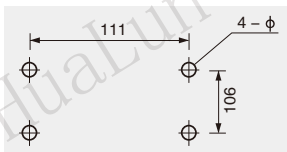
Plug

Accessories see P98-100

Shell	SEL Side Entry  PG36 PG29	TEL Top Entry  PG36 PG29
	HLE48SEL	HLE48TEL
Drawing	 132 98 90 10.5	 PG 132 98 90 10.5



Receptacle

Shell	BCL Bulkhead With Cap 	OCL One-Side Entry With Cap  PG36 PG29	TCL Two-Side Entry With Cap  PG36 PG29
	HLE48BCL	HLE48OCL	HLE48TCL
Drawing	 10 148 165 Φ6.4 44 70 96 23 40 57	 PG 12 111 141 Φ6.4 32 106 120 45 99	 PG 12 111 141 Φ6.4 32 106 120 45 99
	Panel Mounted & Mounting Hole  81 117 148 70 Φ	The mounting panel does not open rectangular holes Drill four holes at center intervals  111 4 - Φ 106	

Unit: mm