














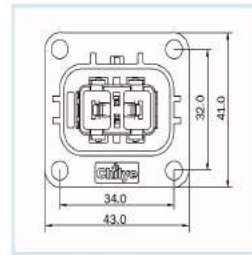


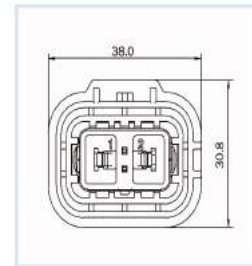
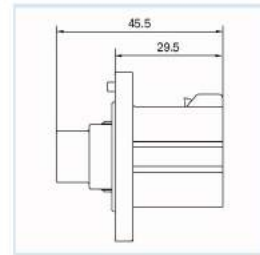
**HV Connector Series 高壓連接器系列**

Standard	Mating Cycles(Times)	Flame Class	IP protection		Temperature range		Electrical protection		Lock Function
LV215 SAE J1742/J2223 RCHS	≥ 100	UL94-V0(Thermoplastic)	IP67(Mated), IP6K9K		-40°C to +125°C		IP2XB		Secondary
項次 Items	品名 Product Name	圖片 Photo	插針規格 Pin Spec.	額定電壓 Rated Voltage	額定電流 Rated Current	線纜範圍 Cable Range	遮罩 Shielding	高壓互鎖 HVIL	備註 Remark
1	e4.HVC 280 2 POS Connector		3mm	600V DC	40A	2 mm <sup>2</sup> to 5 mm <sup>2</sup>	Shielding	HVIL	上汽 SHANGHAI AUTO
2	e4.HVC 280 3 POS Connector		3mm	600V DC	40A	2 mm <sup>2</sup> to 5 mm <sup>2</sup>	Shielding	N/A	上汽 SHANGHAI AUTO
3	e4.HVC 480 6 POS Connector		3mm	600V DC	40A	2 mm <sup>2</sup> to 6 mm <sup>2</sup>	Shielding	HVIL (2 + 2) (3 + 2) (4 + 2)	上汽 SHANGHAI AUTO
4	e4.HVC 530 4 POS Connector		3mm	600V	15A to 30A	2.5 to 6mm <sup>2</sup>	Shielding	HVIL	上汽 SHANGHAI AUTO
5	e4.HVC 800 1 POS Connector		8mm	1000V	250A	25mm <sup>2</sup> , 35mm <sup>2</sup> , 50mm <sup>2</sup>	Shielding	HVIL	上汽 SHANGHAI AUTO
6	e4.HVC 800 2 POS Connector		8mm	1000V	250A	25mm <sup>2</sup> , 35mm <sup>2</sup> , 50mm <sup>2</sup>	Shielding	HVIL	上汽 SHANGHAI AUTO
7	e4.HVC 800 3 POS Connector		8mm	1000V	250A	25mm <sup>2</sup> , 35mm <sup>2</sup> , 50mm <sup>2</sup>	Shielding	HVIL	上汽 SHANGHAI AUTO
8	e4.HVP 900 1 POS Connector		14mm	800VDC	300A	70 to 95mm <sup>2</sup>	Shielding	HVIL	上汽 SHANGHAI AUTO
9	e42.HVC 2 POS 3.6mm Connector		3.6mm	800VDC	16A to 35A	2.5 to 6mm <sup>2</sup>	Shielding	HVIL	
10	e42.HVC 3 POS 3.6mm Connector		3.6mm	800VDC	16A to 35A	2.5 to 6mm <sup>2</sup>	Shielding	HVIL	
11	e42.HVC 2 POS 3.6mm Connector		3.6mm	800VDC	16A to 50A	2.5 to 10mm <sup>2</sup>	Shielding	HVIL	
12	e42.HVC 180° 1 POS 10mm Connector		10mm	800VDC	200A to 250A	50 to 70mm <sup>2</sup>	Shielding	HVIL	
13	e42.HVC 90° 1 POS 10mm Connector		10mm	800VDC	200A to 250A	50 to 70mm <sup>2</sup>	Shielding	HVIL	
14	e42.HVC 180° 1 POS 12mm Connector		12mm	800VDC	300A to 400A	95 to 120mm <sup>2</sup>	Shielding	HVIL	
15	e42.HVC 90° 1 POS 12mm Connector		12mm	800VDC	300A to 400A	95 to 120mm <sup>2</sup>	Shielding	HVIL	
16	e42.HVC 180° 1 POS 14mm Connector		14mm	800VDC	400A to 500A	120 to 150mm <sup>2</sup>	Shielding	HVIL	
17	e42.HVC 90° 1 POS 14mm Connector		14mm	800VDC	400A to 500A	120 to 150mm <sup>2</sup>	Shielding	HVIL	

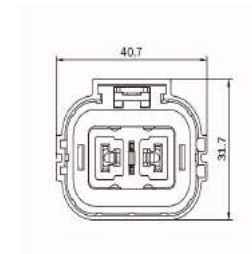
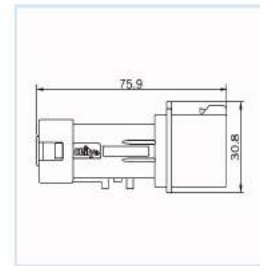
Model No. : CL-HVC280-21X, CL-HVC280-22X, CL-HVC280-23X  
 Product Name : HVC 280 2POS Connector



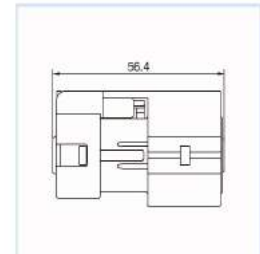
CL-HVC280-21X



CL-HVC280-22X



CL-HVC280-23X



Reference Standard : LV214,USCAR-2,USCAR-37

**Application :**

- High voltage accessories connection system

**Description :**

- Sealed connection system
- HVIL inserted (use short harness connector for plug end)
- Two-stage locking system for HVIL time delay
- Two HV power circuits
- Finger touching safe
- Five stage error-proof design
- Shielding range : 360° shielded from the line to the connector
- Cable range : power circuit : 2.5mm<sup>2</sup> to 4mm<sup>2</sup>  
HVIL circuit : 0.5mm<sup>2</sup>

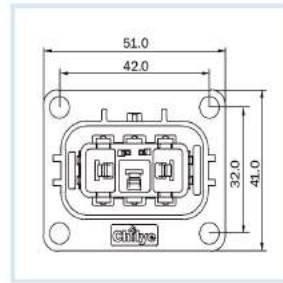
**Performance :**

- Current capacity : 25A continuous at 85°C
- Voltage : 600V
- Temperature range : -40°C to +125°C
- Sealing protection : IP67, IP6K9K
- Electrical protection : IP2XB

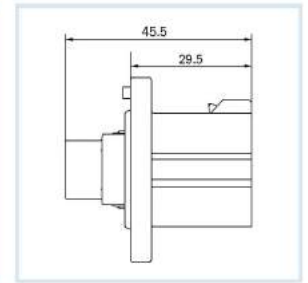
**Part Number Information**

Keys	Receptacle		Straight Plug		Straight Receptacle	
	2.5mm <sup>2</sup>	4mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>
A	CL-HVC280-21A-02	CL-HVC280-21A-04	CL-HVC280-23A-02	CL-HVC280-23A-04	CL-HVC280-22A-02	CL-HVC280-22A-04
B	CL-HVC280-21B-02	CL-HVC280-21B-04	CL-HVC280-23B-02	CL-HVC280-23B-04	CL-HVC280-22B-02	CL-HVC280-22B-04
C	CL-HVC280-21C-02	CL-HVC280-21C-04	CL-HVC280-23C-02	CL-HVC280-23C-04	CL-HVC280-22C-02	CL-HVC280-22C-04
D	CL-HVC280-21D-02	CL-HVC280-21D-04	CL-HVC280-23D-02	CL-HVC280-23D-04	CL-HVC280-22D-02	CL-HVC280-22D-04
E	CL-HVC280-21E-02	CL-HVC280-21E-04	CL-HVC280-23E-02	CL-HVC280-23E-04	CL-HVC280-22E-02	CL-HVC280-22E-04

**Model No. : CL-HVC280-31X, CL-HVC280-32X, CL-HVC280-33X**  
**Product Name : HVC 280 3POS Connector**



CL-HVC280-31X



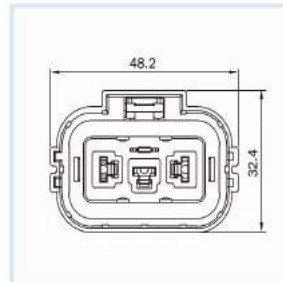
Reference Standard : LV214,USCAR-2,USCAR-37

**Application :**

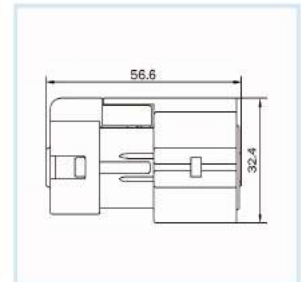
- High voltage accessories connection system

**Description :**

- Sealed connection system
- HVIL inserted (use short harness connector for plug end)
- Two-stage locking system for HVIL time delay
- Two HV power circuits
- Finger touching safe
- Three stage error-proof design
- Shielding range : 360° shielded from the line to the connector
- Cable range : power circuit : 2.5mm<sup>2</sup> to 4mm<sup>2</sup>  
HVIL circuit : 0.5mm<sup>2</sup>

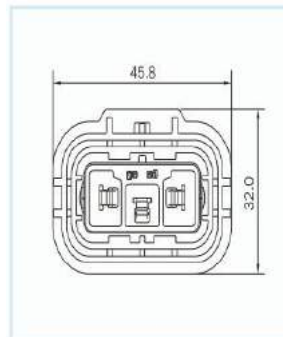


CL-HVC280-33X

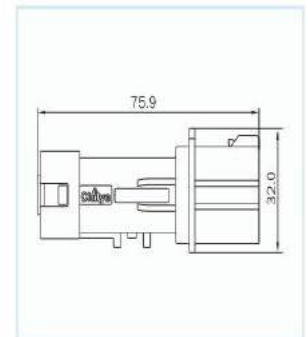


**Performance :**

- Current capacity : 25A continuous at 85°C
- Voltage : 600V
- Temperature range : -40°C to +125°C
- Sealing protection : IP67, IP6K9K
- Electrical protection : IP2XB



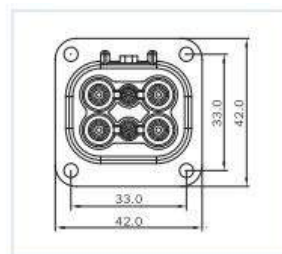
CL-HVC280-32X



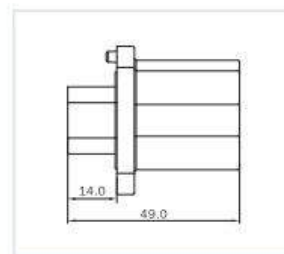
**Part Number Information**

Keys	Receptacle		Straight Plug		Straight Receptacle	
	2.5mm <sup>2</sup>	4mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>
A	CL-HVC280-31A-02	CL-HVC280-31A-04	CL-HVC280-33A-02	CL-HVC280-33A-04	CL-HVC280-32A-02	CL-HVC280-32A-04
B	CL-HVC280-31B-02	CL-HVC280-31B-04	CL-HVC280-33B-02	CL-HVC280-33B-04	CL-HVC280-32B-02	CL-HVC280-32B-04
C	CL-HVC280-31C-02	CL-HVC280-31C-04	CL-HVC280-33C-02	CL-HVC280-33C-04	CL-HVC280-32C-02	CL-HVC280-32C-04

**Model No. : CL-HVC480-61X, CL-HVC480-62X, CL-HVC480-63X**  
**Product Name : HVC 480 6 POS Unshielded Connector**



CL-HVC480-61X



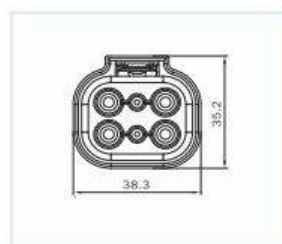
Reference Standard : USCAR-2, USCAR-37

**Application :**

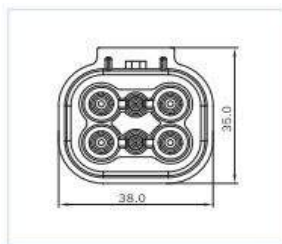
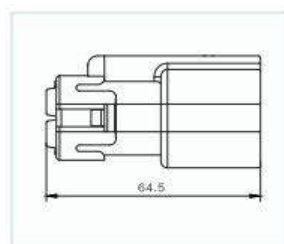
- High-voltage unshielded system for on-board charger applications

**Description :**

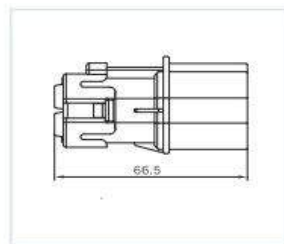
- Plastic Sealed connection system
- System installation surface and flange seal
- Capability for four power circuits and two signal circuits
- Two-stage locking system for electrical protection
- Finger touching safe
- Three stage error-proof design
- Shielding range : 360° shielded from the line to the connector
- Cable range : 2.5mm<sup>2</sup> to 6mm<sup>2</sup> power circuit
- 0.5mm<sup>2</sup> to 1mm<sup>2</sup> signal circuit
- Different poles available, with HVIL (2+2), (3+2), (4+2)



CL-HVC480-63X



CL-HVC480-62X



**Performance :**

- Current capacity : 40A continuous at 85°C
- Voltage : 600V
- Temperature range : -40°C to +125°C
- Sealing protection : IP67, IP6K9K
- Electrical protection : IP2XB

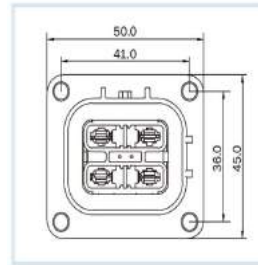
**Part Number Information**

Keys	Receptacle	Straight Plug
A	CL-HVC480-61A	CL-HVC480-63A
A	CL-HVC480-51A	CL-HVC480-53A
A	CL-HVC480-41A	CL-HVC480-43A

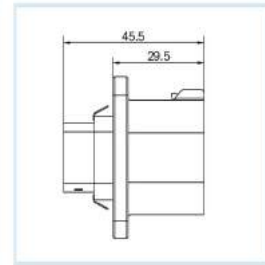


Model No. : CL-HVC530-41X, CL-HVC530-42X, CL-HVC530-43X

Product Name : HVC 530 4 POS Connector



CL-HVC530-41X



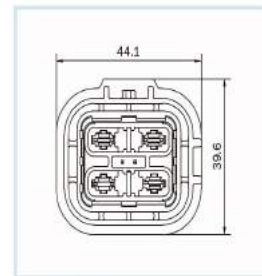
Reference Standard : LV214, USCAR-2, USCAR-37

**Application :**

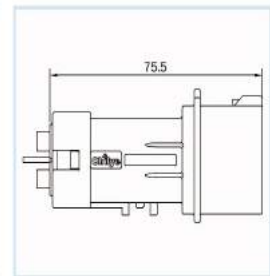
- Connection system for high voltage units

**Description :**

- Sealed connection system
- HVIL inserted (short connectors used for the plug end)
- Two-stage locking system for electrical protection
- Two group high voltage circuit
- Finger touching safe
- Three error-proof design
- Shielding range : 360° shielded from the line to the connector
- Cable range : power circuit : 2.5mm<sup>2</sup> to 6mm<sup>2</sup>  
HVIL circuit : 0.5mm<sup>2</sup>

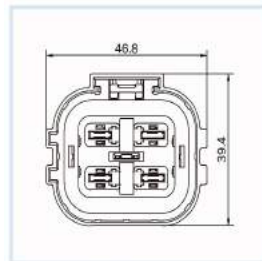


CL-HVC530-42X

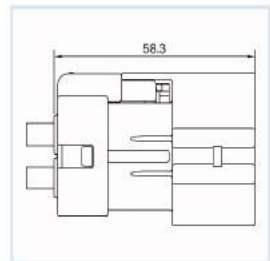


**Performance :**

- Current capacity : 40A continuous at 85°C
- Voltage : 600V
- Temperature range : -40°C to +125°C
- Sealing protection : IP67, IP6K9K
- Electrical protection : IP2XB



CL-HVC530-43X

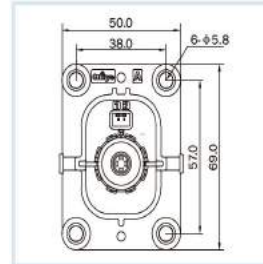


**Part Number Information**

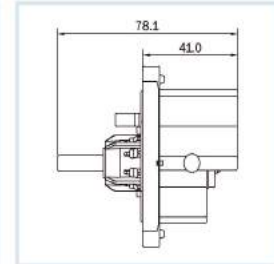
Keys	Receptacle	Straight Plug	Straight Receptacle
A	CL-HVC530-41A-XX	CL-HVC530-43A-XX	CL-HVC530-42A-XX
B	CL-HVC530-42B-XX	CL-HVC530-43B-XX	CL-HVC530-42B-XX
C	CL-HVC530-43C-XX	CL-HVC530-43C-XX	CL-HVC530-42C-XX

Note : XX is 02, 04, 06 means 2.5mm<sup>2</sup>, 4mm<sup>2</sup>, 6mm<sup>2</sup> cable

**Model No. : CL-HVC800-11X, CL-HVC800-13X, CL-HVC800-14X**  
**Product Name : HVC 800 1 POS Connector**



CL-HVC800-11X



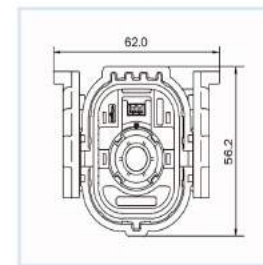
Reference Standard : LV214, USCAR-2, USCAR-37

**Application :**

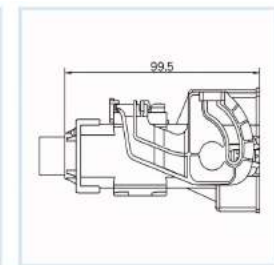
- Power battery, Motor controller, Drive motor, Inverter

**Description :**

- Internal HVIL(use short harness connector for plug end)
- With mechanical blocking
- Finger proof/touch safe
- Linearity and 90° plug design
- Six error-proof design
- Shielding range : 360° shielded from the line to the connector
- Light weight, compact size
- Cable range : 25mm2 to 50mm2 Single core shielded wire

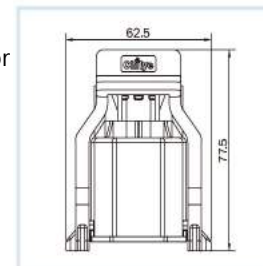


CL-HVC800-13X

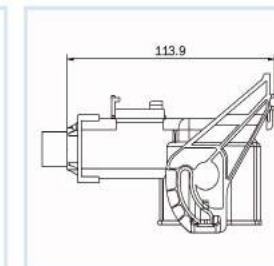


**Performance :**

- 8mm Contact pin
- Rated voltage : 1000V
- Rated current : 250A
- Temperature range : -40°C to +125°C
- Sealing protection : IP67, IP6K9K
- Electrical protection : IP2XB



CL-HVC800-14X



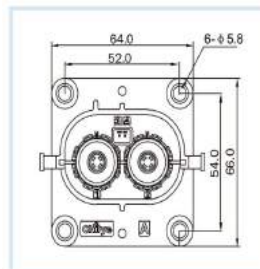
**Part Number Information**

Keys	Receptacle	Straight Plug	Right Angle Plug
A	CL-HVC800-11A	CL-HVC800-13A-XX	CL-HVC800-14A-XX
B	CL-HVC800-11B	CL-HVC800-13B-XX	CL-HVC800-14B-XX
C	CL-HVC800-11C	CL-HVC800-13C-XX	CL-HVC800-14C-XX
D	CL-HVC800-11D	CL-HVC800-13D-XX	CL-HVC800-14D-XX
E	CL-HVC800-11E	CL-HVC800-13E-XX	CL-HVC800-14E-XX
F	CL-HVC800-11F	CL-HVC800-13F-XX	CL-HVC800-14F-XX

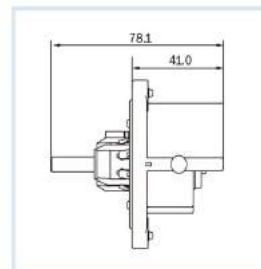
Note : XX is 25, 35, 50 means 25mm2, 35mm2, 50mm2 wire

Model No. : CL-HVC800-21X, CL-HVC800-23X, CL-HVC800-24X

Product Name : HVC 800 2 POS Connector



CL-HVC800-21X



Reference Standard : LV214, USCAR-2, USCAR-37

**Application :**

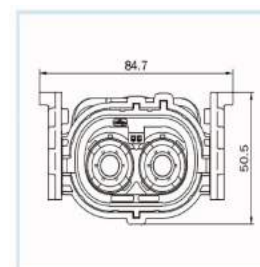
- Power battery, Motor controller, Inverter

**Description :**

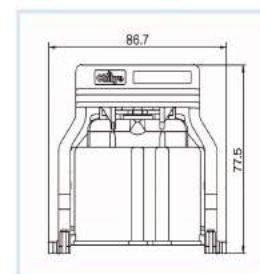
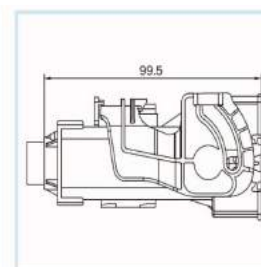
- Internal HVIL(use short harness connector for plug end)
- With mechanical blocking
- Finger proof/touch safe
- Linearity and 90° plug design
- Three error-proof design
- Shielding range : 360° shielded from the line to the connector
- Light weight, compact size
- Cable range : 25mm<sup>2</sup> to 50mm<sup>2</sup> shielding wire

**Performance :**

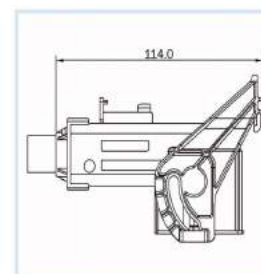
- 8mm Contact pin
- Rated voltage : 1000V
- Rated current : 250A
- Temperature range : -40°C to +125°C
- Sealing protection : IP67, IP6K9K
- Electrical protection : IP2XB



CL-HVC800-23X



CL-HVC800-24X

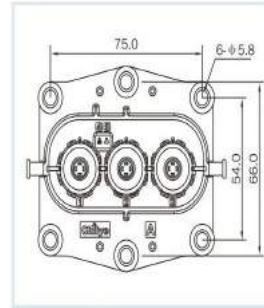


**Part Number Information**

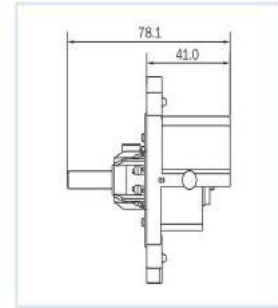
Keys	Receptacle	Straight Plug	Right Angle Plug
A	CL-HVC800-21A	CL-HVC800-23A-XX	CL-HVC800-24A-XX
B	CL-HVC800-21B	CL-HVC800-23B-XX	CL-HVC800-24B-XX
C	CL-HVC800-21C	CL-HVC800-23C-XX	CL-HVC800-24C-XX

Note : XX is 25, 35, 50 means 25mm<sup>2</sup>, 35mm<sup>2</sup>, 50mm<sup>2</sup> wire

**Model No. : CL-HVC800-31X, CL-HVC800-33X, CL-HVC800-34X**  
**Product Name : HVC 800 3 POS Connector**



CL-HVC800-31X



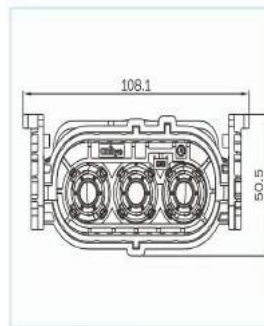
Reference Standard : LV214, USCAR-2, USCAR-37

**Application :**

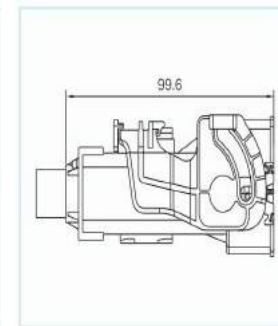
- Power battery, Drive motor

**Description :**

- Internal HVIL(use short harness connector for plug end)
- Mechanical blocking
- Finger touching safe
- Linearity and 90° plug design
- Three stage error-proof design
- Shielding range : 360° shielded from the line to the connector
- Light weight, compact size
- Cable range : 25mm<sup>2</sup> to 50mm<sup>2</sup> shielding wire

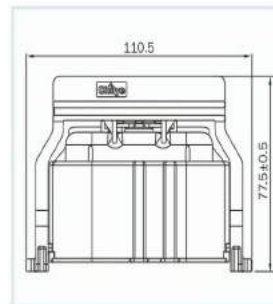


CL-HVC800-33X

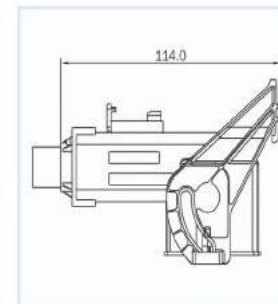


**Performance :**

- 8mm Contact pin
- Rated voltage : 1000V
- Rated current : 250A
- Temperature range : -40°C to +125°C
- Sealing protection : IP67, IP6K9K
- Electrical protection : IP2XB



CL-HVC800-34X



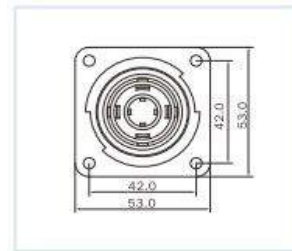
**Part Number Information**

Keys	Receptacle	Straight Plug	Right Angle Plug
A	CL-HVC800-31A	CL-HVC800-33A-XX	CL-HVC800-34A-XX
B	CL-HVC800-31B	CL-HVC800-33B-XX	CL-HVC800-34B-XX
C	CL-HVC800-31C	CL-HVC800-33C-XX	CL-HVC800-34C-XX

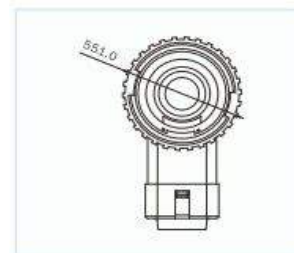
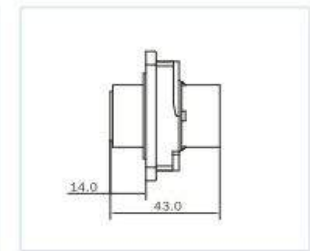
Note : XX is 25, 35, 50 means 25mm<sup>2</sup>, 35mm<sup>2</sup>, 50mm<sup>2</sup> wire



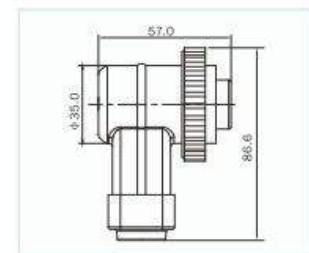
Model No. : CL-HVP900-XXX  
 Product Name : HVP 900 High Voltage Connector



CL-HVP900-11X



CL-HVP900-12X



**Application :**

- Power battery pack, high voltage distribution unit

**Description :**

- The maximum current up to 350A
- Can meet rotate 360 degrees for lay out
- Good seal with waterproof performance
- Easy install design
- Finger proof / touch safe
- Compact size / Light-weight

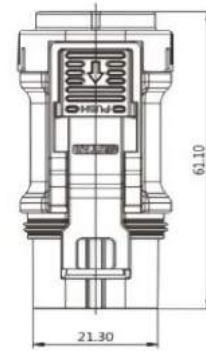
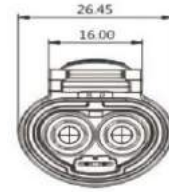
**Performance :**

- 14mm pin
- Wiring range : 70-95mm<sup>2</sup> single core cable
- Mechanical lock : products with thread lock mechanical design, and does not need to use the specialized tools
- Connection Angle : 90°
- Rated voltage : 800V
- Rated current : 300A
- Temperature range : -40°C to +125°C
- Protection grade : connect : IP67(outlet) ; not connected IP2XB

**Part Number Information**

Keys	Receptacle		Right Angle Plug	
	Red	Black	Red	Black
1	CL-HVP900-111	CL-HVP900-112	CL-HVP900-121	CL-HVP900-122

Model No. : AR-NI1-1-S036-CXX, AR-NI1-1-H036-CXX  
Product Name : HVC 2POS 3.6mm Metallic Connector (35A series)



**Application :**

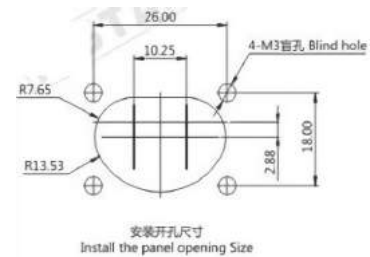
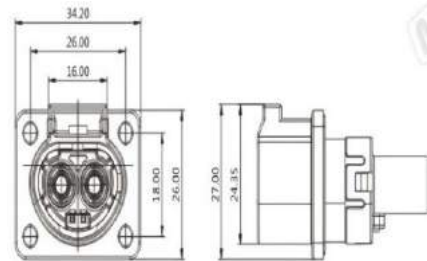
- PDU, Air conditioning, Defrosting, Electric heating, DCDC

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 16A to 35A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Cable range : 2.5mm-6mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 2 POS
- HVIL

**Performance :**

- 3.6mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Multi Misplug-proof and key position design

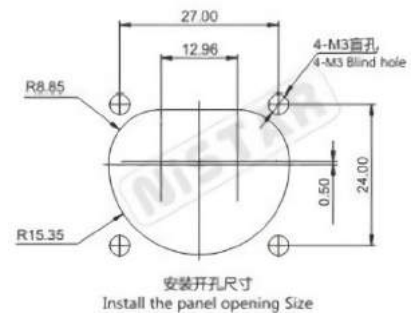
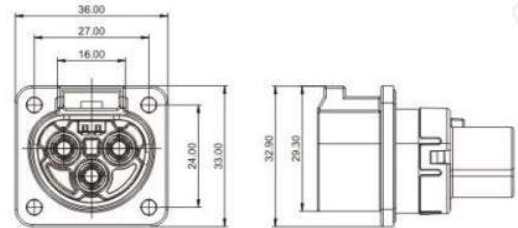
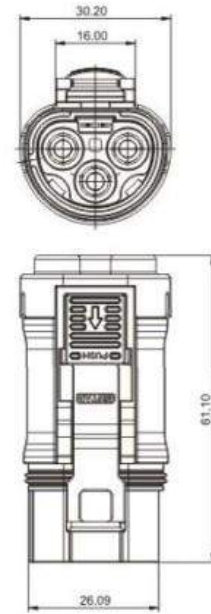


**Part Number Information**

Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-S036-	2	A	Y/N	B	C03 (2.5mm <sup>2</sup> )
		Y			C04 (4mm <sup>2</sup> )
		U			C05 (6mm <sup>2</sup> )
		V			/
		W			/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H036-	2	A	Y/N	B	C03 (2.5mm <sup>2</sup> )
		Y			C04 (4mm <sup>2</sup> )
		U			C05 (6mm <sup>2</sup> )
		V			/
		W			/

Model No. : AR-NI1-1-S036-CXX, AR-NI1-1-H036-CXX  
Product Name : HVC 3POS 3.6mm Metallic Connector (35A series)



**Application :**

- PDU, Air conditioning, Defrosting, Electric heating, DCDC

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 16A to 35A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Cable range : 2.5mm-6mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 3 POS
- HVIL

**Performance :**

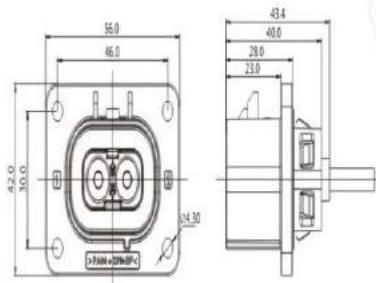
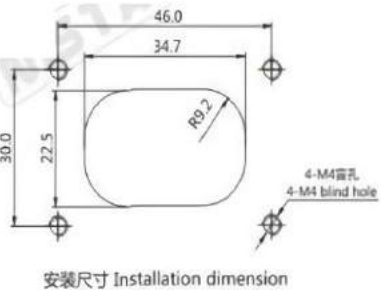
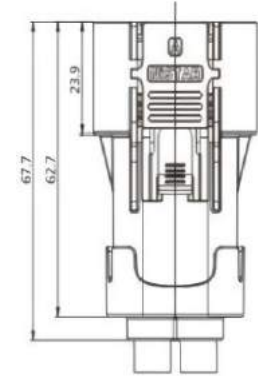
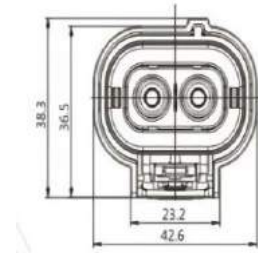
- 3.6mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Multi Misplug-proof and key position design

**Part Number Information**

Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-S036-	3	A	Y/N	B	C03 (2.5mm <sup>2</sup> )
		Y			C04 (4mm <sup>2</sup> )
		U			C05 (6mm <sup>2</sup> )
		V			/
		W			/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H036-	3	A	Y/N	B	C03 (2.5mm <sup>2</sup> )
		Y			C04 (4mm <sup>2</sup> )
		U			C05 (6mm <sup>2</sup> )
		V			/
		W			/

Model No. : AR-NI2-1-S036-CXX, AR-NI2-1-H036-CXX  
Product Name : HVC 2POS 3.6mm Plastic Connector (50A series)



**Application :**

- PDU, Air conditioning, Defrosting, Electric heating, DCDC

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 16A to 50A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Cable range : 2.5mm-10mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 2 POS
- HVIL

**Performance :**

- 3.6mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Multi Misplug-proof and key position design

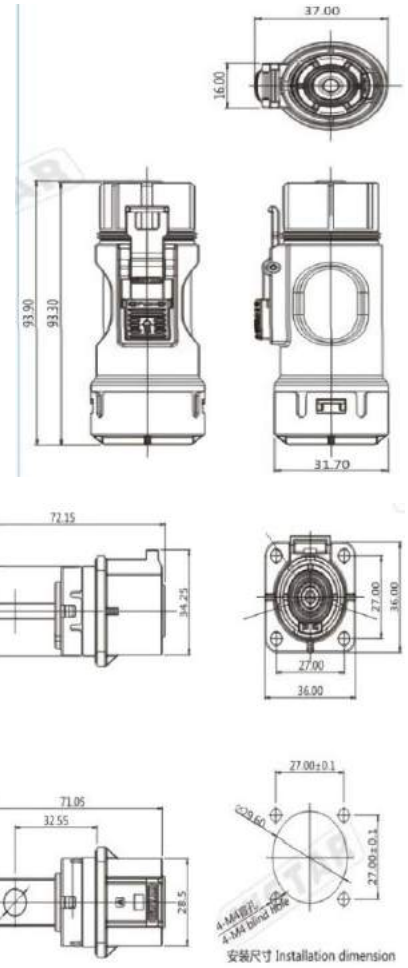
**Part Number Information**

Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI2-1-S036-	2	A	Y/N	A	C03 (2.5mm <sup>2</sup> )
		Y			C04 (4mm <sup>2</sup> )
		U			C05 (6mm <sup>2</sup> )
		V			C06 (10mm <sup>2</sup> )
		W			/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI2-1-H036-	2	A	Y/N	A	C03 (2.5mm <sup>2</sup> )
		Y			C04 (4mm <sup>2</sup> )
		U			C05 (6mm <sup>2</sup> )
		V			C06 (10mm <sup>2</sup> )
		W			/



Model No. : AR-NI1-1-S100-CXX, AR-NI1-1-H100-TXX  
Product Name : HVC 180° 1POS 10mm Metallic Connector (250A series)



**Application :**

- PDU, Air conditioning, Defrosting, Electric heating, DCDC

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 200A to 250A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature : -40°C ~125°C
- Cable range : 50mm-70mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 1 POS
- HVIL

**Performance :**

- 10mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Multi Misplug-proof and key position design

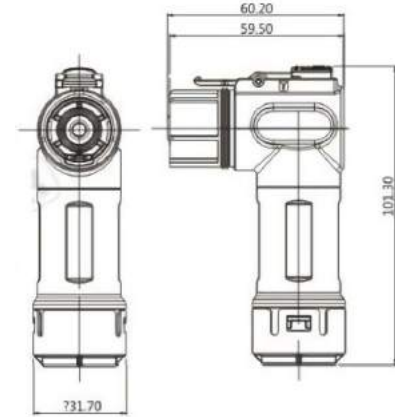
**Part Number Information**

Right Angle Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-S100-	1	A	Y/N	A	C10 (50mm <sup>2</sup> )
		Y		B	C11 (70mm <sup>2</sup> )
		U		Y	/
		V		G	/
		W		R	/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H100-	1	A	Y/N	A	T03 (Ø6.5mm Through-hole)
		Y			T04 (Ø8.5mm Through-hole)
		U			T05 (Ø10.5mm Through-hole)
		V			TBD (Customized hole shape & size)
		W			/

Note : Color code A stands for Orange, B stands for Black, Y stands for Yellow, G stand for Green, R stands for Red.

Model No. : AR-NI1-1-B100-CXX, AR-NI1-1-H100-TXX  
Product Name : HVC 90° 1POS 10mm Metallic Connector (250A series)



**Application :**

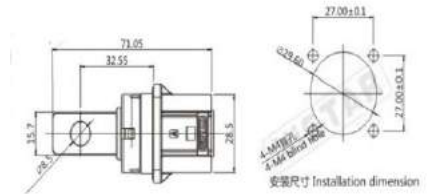
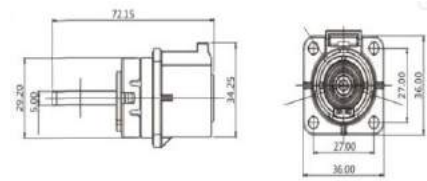
- PDU, Air conditioning, Defrosting, Electric heating, DCDC

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 200A to 250A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}C \sim 125^{\circ}C$
- Cable range : 50mm-70mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 1 POS
- HVIL

**Performance :**

- 10mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Muti Misplug-proof and key position design



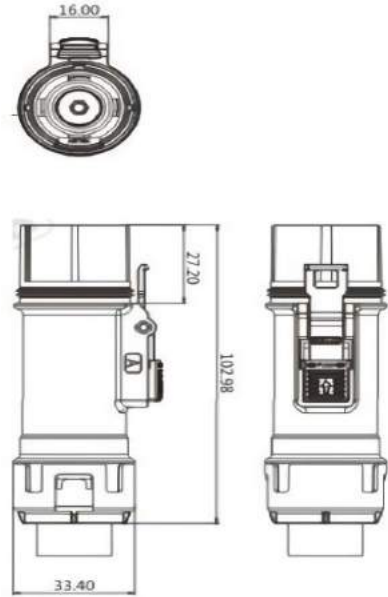
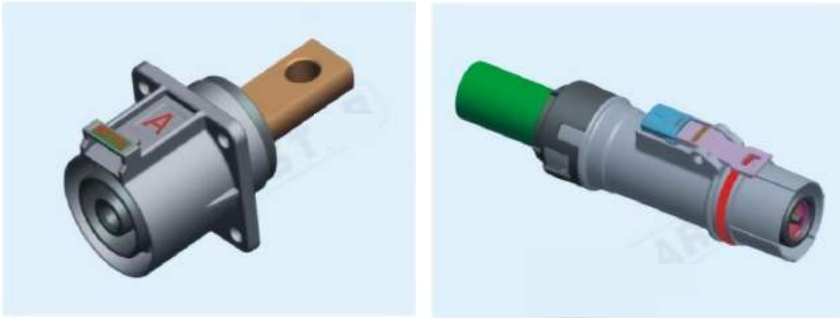
**Part Number Information**

Right Angle Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-B100-	1	A	Y/N	A	C10 (50mm <sup>2</sup> )
		Y		B	C11 (70mm <sup>2</sup> )
		U		Y	/
		V		G	/
		W		R	/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H100-	1	A	Y/N	A	T03 (Ø6.5mm Through-hole)
		Y			T04 (Ø8.5mm Through-hole)
		U			T05 (Ø10.5mm Through-hole)
		V			TBD (Customized hole shape & size)
		W			/

Note : Color code A stands for Orange, B stands for Black, Y stands for Yellow, G stand for Green, R stands for Red.

Model No. : AR-NI1-1-S120-CXX, AR-NI1-1H120-TXX  
Product Name : HVC 180° 1POS 12mm Metallic Connector (400A series)



**Application :**

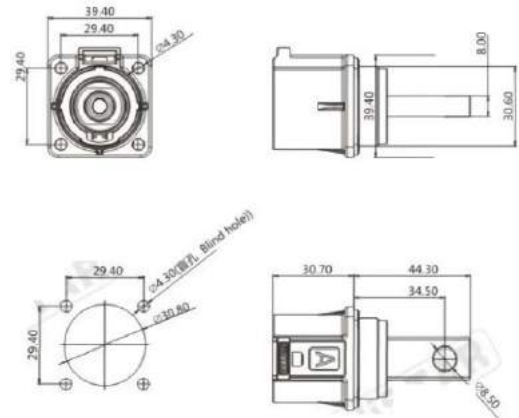
- PDU, Battery, Motor, Motor Controller

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 300A to 400A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}C \sim 125^{\circ}C$
- Cable range : 95mm-120mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 1 POS
- HVIL

**Performance :**

- 12mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Multi Misplug-proof and key position design



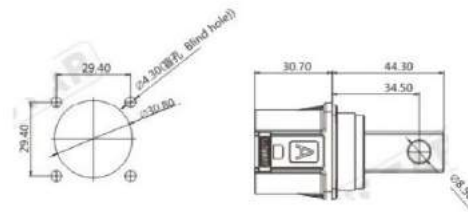
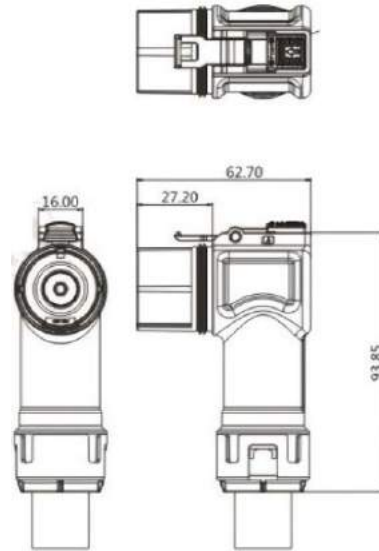
**Part Number Information**

Straight Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-S120-	1	A	Y/N	A	C12 (95mm <sup>2</sup> )
		Y		B	C14 (120mm <sup>2</sup> )
		U		Y	/
		V		G	/
		W		R	/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H120-	1	A	Y/N	A	T05 (Ø10mm Through-hole)
		Y		B	T09 (M10 Screwed hole)
		U		Y	Customizable aperture size
		V		G	/
		W		R	/

Note : Color code A stands for Orange, B stands for Black, Y stands for Yellow, G stand for Green, R stands for Red.

Model No. : AR-NI1-1-B120-CXX, AR-NI1-1H120-TXX  
Product Name : HVC 90° 1POS 12mm Metallic Connector (400A series)



**Application :**

- PDU, Battery, Motor, Motor Controller

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 300A to 400A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}C \sim 125^{\circ}C$
- Cable range : 95mm<sup>2</sup>-120mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 1 POS
- HVIL

**Performance :**

- 12mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Muti Misplug-proof and key position design

**Part Number Information**

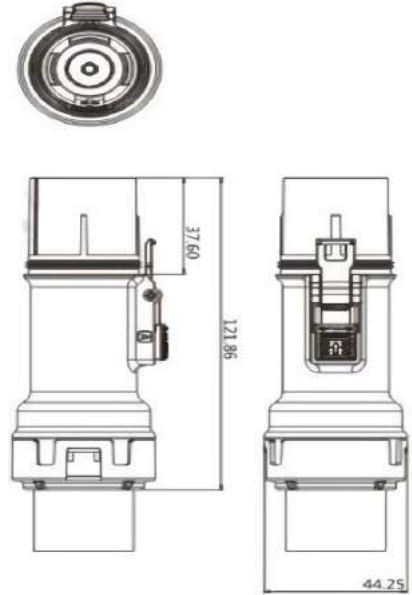
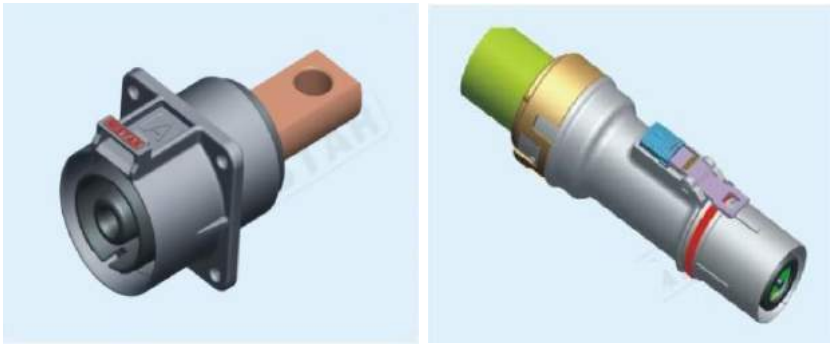
Right Angle Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-B120-	1	A	Y/N	A	C12 (95mm <sup>2</sup> )
		Y		B	C14 (120mm <sup>2</sup> )
		U		Y	/
		V		G	/
		W		R	/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H120-	1	A	Y/N	A	T05 (Ø10mm Through-hole)
		Y		B	T09 (M10 Screwed hole)
		U		Y	Customizable aperture size
		V		G	/
		W		R	/

Note : Color code A stands for Orange, B stands for Black, Y stands for Yellow, G stand for Green, R stands for Red.



Model No. : AR-NI1-1-S140-CXX, AR-NI1-1H140-TXX  
Product Name : HVC 180° 1POS 14mm Metallic Connector (500A series)



**Application :**

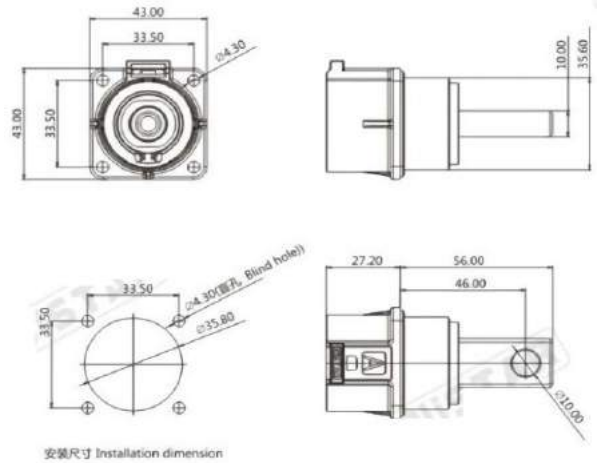
- PDU, Battery, Motor, Motor Controller

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 400A to 500A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}C \sim 125^{\circ}C$
- Cable range : 120mm-150mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 1 POS
- HVIL

**Performance :**

- 14mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Multi Misplug-proof and key position design



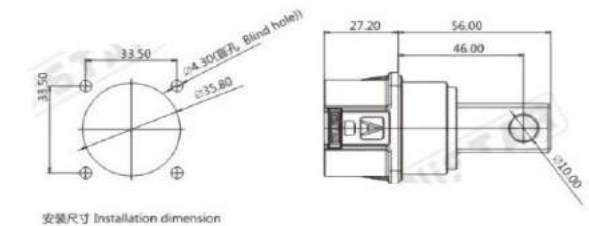
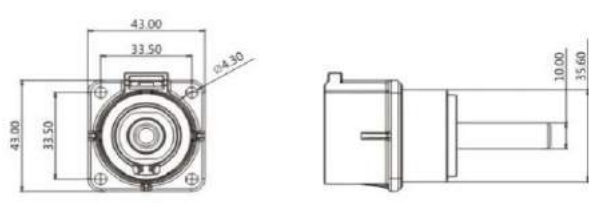
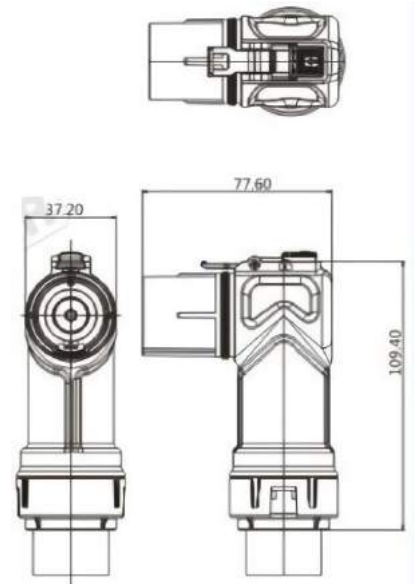
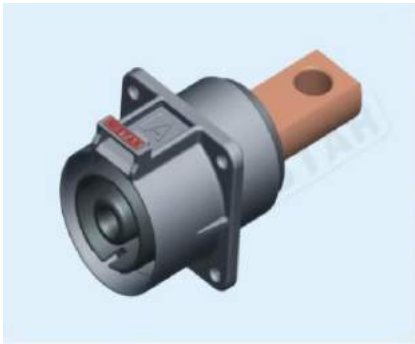
**Part Number Information**

Straight Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-S140-	1	A	Y/N	A	C14 (120mm <sup>2</sup> )
		Y		B	C15 (150mm <sup>2</sup> )
		U		Y	/
		V		G	/
		W		R	/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H140-	1	A	Y/N	A	T05 (Ø10mm Through-hole)
		Y		B	T09 (M10 Screwed hole)
		U		Y	Customizable aperture size
		V		G	/
		W		R	/

Note : Color code A stands for Orange, B stands for Black, Y stands for Yellow, G stand for Green, R stands for Red.

Model No. : AR-NI1-1-B140-CXX, AR-NI1-1H140-TXX  
Product Name : HVC 90° 1POS 14mm Metallic Connector (500A series)



**Application :**

- PDU, Battery, Motor, Motor Controller

**Description :**

- Rated Voltage : 800V AC/DC
- Rated Current : From 400A to 500A
- Insulation resistance :  $\geq 500M\Omega$
- Withstand voltage : 3500VAC
- Operating Temperature :  $-40^{\circ}C \sim 125^{\circ}C$
- Cable range : 120mm-150mm<sup>2</sup> wire
- Shielding : 360° shielding
- Mating Cycles : >100
- IP Class : IP67, IP6K9K (Mated)
- Number of Positions : 1 POS
- HVIL

**Performance :**

- 14mm pin
- Excellent Electrical Insulation
- Secondary buckle
- Various Wire Diameter Application
- Multi Misplug-proof and key position design

**Part Number Information**

Rught Angle Plug	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-B140-	1	A	Y/N	A	C14 (120mm <sup>2</sup> )
		Y		B	C15 (150mm <sup>2</sup> )
		U		Y	/
		V		G	/
		W		R	/

Receptacle	Pos Number	Key	HVIL	Color	Wire Spec
NI1-1-H140-	1	A	Y/N	A	T05 ( $\varnothing 10mm$ Through-hole)
		Y		B	T09 (M10 Screwed hole)
		U		Y	Customizable aperture size
		V		G	/
		W		R	/

Note : Color code A stands for Orange, B stands for Black, Y stands for Yellow, G stand for Green, R standts for Red.