

# Charging Socket

IEC AC Charging Socket

CCS2 Charging Socket

IEC Electronic Sockets

GB/T AC Charging Socket

GB/T AC Electronic lock

GB/T DC Charging Socket

SAE AC Charging Socket

CCSI DC Charging Socket

CHAdEMO DC Charging Socket

NACS tesla Charging Socket

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- 
- Electrical Connector Pin
  - EV Charging Cable
  - **Charging Socket**
  - EV Charging Adapter
  - Portable EV Chargers
  - Charging station
  - Energy storage connector
  - PCB connectors

# IEC AC Charging Socket

## Product Introduction

IEC Charging Socket conforms to the provisions and requirements of IEC62196-2 2016. The socket has efficient charging and safety protection functions, built-in overheat protection, and a short circuit power-off system, providing all-around protection for your charging process. The appearance design is compact and easy to install, suitable for home and commercial use.



## Product Features

- IEC Charging Socket conforms to the provisions and requirements of IEC62196-1, IEC 62196 -3
- Our ev socket with beautiful appearance and prevention cap, which can be installed on the left side, the right side or the front of it
- Reliable material, flame retardant, pressure proof, wear-resisting, vimpart resistance, high oil proof
- Excellent protection performance, protection grade achieved IP55 (working condition)

## Technical performances

### 01 Mechanical Performance

Insertion and extraction force: <100N  
 Mechanical life: >10,000 times (no load)  
 Electronic lock life span: 30,000 times (rated voltage (12V/24V optional), power-on time 300ms, normal temperature)

### 02 Electrical performance

Rated voltage: AC input 250V.ac  
 Rated current: AC input: 16A, 32A  
 Insulation resistance: >1000MΩ (500V.dc)  
 Withstand voltage performance: 2000V.ac

### 03 Environmental performance

Working temperature: -30°C~50°C  
 Protection level: IP54 when the cover is closed, IP55 when inserting the gun; IP65 for the electronic lock; IP67 for the cable outlet at the end of the charging stand

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A, 16A, 32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A, 125A, 200A, 250A	4500V
11003	AP-GDC-LOCK	12V.dc	≤1A	500Vac, Imin leakage current ≤10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A, 32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: ≤1000V.dc	AC input: 16A, 32A DC input: 125A, 150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A, 32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A, 200A	3000V.ac
11008	AP-IDC-ES	12VDC	≤1A	500Vac, Imin leakage current ≤10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A, 125A, 150A, 200A	3000V.ac

# CCS2 Charging Socket

## Product Introduction

IEC Charging Socket conforms to the provisions and requirements of IEC62196-2 2016. The socket has efficient charging and safety protection functions, built-in overheat protection, and a short circuit power-off system, providing all-around protection for your charging process. The appearance design is compact and easy to install, suitable for home and commercial use.



## Product Features

- CCS2 Charging Socket conforms to the provisions and requirements of IEC62196-1, IEC 62196 -3
- Our ev socket with beautiful appearance and prevention cap, which can be installed on the left side, the right side or the front of it
- Reliable material, flame retardant, pressure proof, wear-resisting, vimpart resistance, high oil proof
- Excellent protection performance, protection grade achieved IP55 (working condition)

## Technical performances

### 01 Mechanical Performance

Insertion and extraction force: <100N  
 Mechanical life: >10,000 times (no load)  
 Electronic lock life span: 30,000 times (rated voltage (12V/24V optional), power-on time 300ms, normal temperature)

### 02 Electrical performance

Rated voltage: AC input 250V.ac; DC input 1000V.dc  
 Rated current: AC input: 16A, 32A; DC input: 125A, 150A, 200A  
 Insulation resistance: >1000MΩ (500V.dc)  
 Withstand voltage performance: 3000V.ac

### 03 Environmental performance

Working temperature: -30°C~50°C  
 Protection level: IP54 when the cover is closed, IP55 when inserting the gun; IP65 for the electronic lock; IP67 for the cable outlet at the end of the charging stand

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A, 16A, 32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A, 125A, 200A, 250A	4500V
11003	AP-GDC-LOCK	12V.dc	≤1A	500Vac, Imin leakage current ≤10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A, 32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: ≤1000V.dc	AC input: 16A, 32A DC input: 125A, 150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A, 32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A, 200A	3000V.ac
11008	AP-IDC-ES	12VDC	≤1A	500Vac, Imin leakage current ≤10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A, 125A, 150A, 200A	3000V.ac

# IEC Electronic Sockets

## Product Introduction

IEC electronic locks developed and produced by AUPINS are mainly used in IEC AC charging sockets at the end of new energy vehicles and IEC charging sockets at the pile end. During the product development process, full consideration was given to the size of the electronic lock actuator. Technical points such as size, locking/unlocking single/double position signal feedback, and overall IP65 protection performance overcome and solve the problems and concerns that customers encounter when using electronic locks.



## Product Features

- Use ultrasonic welding process, with small size and beautiful appearance
- Have a signal feedback function and manual emergency unlocking function.
- Special internal waterproof protection performance, protection grade achieved IP65
- Reliable material, flame retardant, pressure resistance, abrasion resistance, impact resistance, and high oil resistance.

## Technical performances

### 01 Mechanical Performance

Cable specification: FLRY-B 0.5 square  
 Position feedback: Lock/unlock dual position feedback  
 Locking rod push and pull force:  $\geq 30N$  (normal temperature 12VDC)  
 Lifespan: 30000 cycles (12VDC normal temperature, power-on time 350ms, interval 2s)

### 03 Environmental performance

Protection grade: IP65  
 Working temperature:  $-40^{\circ}C \sim 85^{\circ}C$

### 02 Electrical performance

Rated voltage: 12VDC  
 Working voltage: 9VDC~16VDC  
 Rated current :  $\leq 1A$   
 signal switch current:  $\leq 50mA$  (12 V.dc)  
 Locked rotor current:  $\leq 3.2A$   
 Insulation resistance: 500Vdc, 1min  
 insulation resistance  $\geq 100M\Omega$   
 Withstand voltage performance: 500Vac, 1min  
 leakage current  $\leq 10mA$   
 Driving time (normal temperature): 350ms (normal temperature 12VDC)

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A、16A、32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A、125A、200A、250A	4500V
11003	AP-GDC-LOCK	12V.dc	$\leq 1A$	500Vac,1min leakage current $\leq 10mA$
11004	AP-SAC-CS	AC input: 250V.ac	16A、32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: $\leq 1000V$ .dc	AC input: 16A、32A DC input: 125A、150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A、32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A、32A DC input: 125A、150A、200A	3000V.ac
11008	AP-IDC-ES	12VDC	$\leq 1A$	500Vac,1min leakage current $\leq 10mA$
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A、125A、150A、200A	3000V.ac

# GB/T AC Charging Socket

## Product Introduction

GB/T EV Charging Socket conforms to the provisions and requirements of GB/T20234.2-2015, it can charge all EVs manufactured in China, correctly and effectively with high compatibility.



## Product Features

- Conform to the provisions and requirements of GB/ T 20234.2-2015
- Beautiful appearance, prevention cap can be installed on the left side, the right side or the front of it
- Reliable material, flame retardant, pressure proof, wear-resisting, impact resistance, high oil proof
- Excellent protection performance, protection grade achieved IP55 (working condition)

## Technical performances

### 01 Mechanical Performance

Insulation resistance: >1000M $\Omega$  (1000V.dc)

Insertion and extraction force: <100N

Mechanical life:  $\geq$ 10,000 times (no load)

### 02 Electrical performance

Rated current: 10A, 16A, 32A

Rated voltage: 250V/440V

Insulation resistance: > 500M $\Omega$

### 03 Environmental performance

Working temperature: -30 $^{\circ}$ C~50 $^{\circ}$ C

Shell material: thermoplastics, flame retardant grade UL94-0

Contact - tube: copper alloy, silver plated

Pins temperature rise:<50K

Withstand voltage: 2500V

Contact impedance: 0.5m $\Omega$ Max

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A, 16A, 32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A, 125A, 200A, 250A	4500V
11003	AP-GDC-LOCK	12V.dc	$\leq$ 1A	500Vac, Imin leakage current $\leq$ 10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A, 32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: $\leq$ 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A, 32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A, 200A	3000V.ac
11008	AP-IDC-ES	12VDC	$\leq$ 1A	500Vac, Imin leakage current $\leq$ 10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A, 125A, 150A, 200A	3000V.ac

# GB/T AC Electronic lock

## Product Introduction

The electronic locks developed and produced by AUPINS are mainly used in national standard AC charging sockets on new energy vehicles and national standard pile charging sockets. During the product development process, technical points such as the size of the electronic lock actuator, dual-position signal feedback for locking/unlocking, and overall  $\geq$ IP66 protection performance were fully considered. The current advanced clutch unlocking method for manual unlocking ensures unlocking reliability and other technical points are overcome and solved. Problems and concerns customers encounter when using electronic locks.



## Product Features

- Conform to the provisions and requirements of GB/T18487.1-2015
- Use ultrasonic welding process, with small size and beautiful appearance
- Have a signal feedback function and manual emergency unlocking function.
- Special internal waterproof protection performance, protection grade achieved IP66
- Reliable material, flame retardant, pressure resistance, abrasion resistance, impact resistance, and high oil resistance.

## Technical performances

### 01 Mechanical Performance

Drive time: 500ms (12V.dc, normal temperature)  
 Lock rod push and pull force:  $\geq$ 35N (12V.dc, normal temperature)  
 Life span: 60000 cycles (12V.dc, normal temperature, power-on time 500ms, interval 3s)  
 Cable specifications: FLY-B 0.5 square (insulation outer diameter  $\phi$ 1.5mm~ $\phi$ 1.6mm)

### 02 Electrical performance

Rated voltage: 12V.dc  
 Working voltage: 9V.dc~16V.dc  
 Rated current :  $\leq$ 1A;  
 signal switch current:  $\leq$ 0.1A  
 Locked rotor current:  $\leq$ 2.5A

### 03 Environmental performance

Working temperature:-40°C~85°C  
 Protection level:  $\geq$ IP66

Insulation resistance: 500V.dc, 1min  
 insulation resistance  $\geq$ 100M $\Omega$   
 Withstand voltage performance: 500V.ac, 1min  
 leakage current:  $\leq$ 10mA

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A、16A、32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A、125A、200A、250A	4500V
11003	AP-GDC-LOCK	12V.dc	$\leq$ 1A	500Vac,1min leakage current $\leq$ 10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A、32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: $\leq$ 1000V.dc	AC input: 16A、32A DC input:125A、150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A、32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A、32A DC input:125A、150A、200A	3000V.ac
11008	AP-IDC-ES	12VDC	$\leq$ 1A	500Vac,1min leakage current $\leq$ 10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A、125A、150A、200A	3000V.ac

# GB/T DC Charging Socket

## Product Introduction

GB/T EV Charging Socket conforms to the provisions and requirements of GB/T20234.2-2015, it can charge all EVs manufactured in China, correctly and effectively with high compatibility.



## Product Features

- Conform to the provisions and requirements of GB/ T 20234.2-2015
- Beautiful appearance, prevention cap can be installed on the left side, the right side or the front of it
- Reliable material, flame retardant, pressure proof, wear-resisting, impact resistance, high oil proof
- Excellent protection performance, protection grade achieved IP55 (working condition)

## Technical performances

### 01 Mechanical Performance

Insulation resistance: >1000M $\Omega$  (1000V.dc)

Insertion and extraction force: <100N

Mechanical life:  $\geq$ 10,000 times (no load)

### 02 Electrical performance

Rated current: 80A, 125A, 200A, 250A

Rated voltage: 750V

Insulation resistance: >2000M $\Omega$ (DC1000V)

### 03 Environmental performance

Working temperature: -30 $^{\circ}$ C~50 $^{\circ}$ C

Shell material: thermoplastics, flame retardant grade UL94-0

Contact - tube: copper alloy, silver plated

Pins temperature rise:<50K

Withstand voltage: 4500V (DC+/DC-/PE)

Contact impedance: 0.5m $\Omega$ Max

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A, 16A, 32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A, 125A, 200A, 250A	4500V
11003	AP-GDC-LOCK	12V.dc	$\leq$ 1A	500Vac, Imin leakage current $\leq$ 10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A, 32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: $\leq$ 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A, 32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A, 200A	3000V.ac
11008	AP-IDC-ES	12VDC	$\leq$ 1A	500Vac, Imin leakage current $\leq$ 10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A, 125A, 150A, 200A	3000V.ac

# SAE AC Charging Socket

## Product Introduction

Conform to the provisions and requirements of SAE J1772-2012, It can applicable to all SAE electric vehicle charging guns.



## Product Features

- Use copper alloy, silver plated surface Beautiful appearance, prevention cap can be installed on the left side, the right side or the front of it, plug conveniently.
- XLPO for cable insulation prolonging the aging resistance life-span. TPU sheath improves the bending life and wear resistance of cable. The best material in the market at present.
- Special internal waterproof protection performance, protection grade achieved IP55 (working condition). The shell can effectively insulate water from body and enhance the safety level even in bad weather or special circumstances.
- Reliable material, flame retardant, pressure resistance, abrasion resistance, impact resistance and high oil resistance.

## Technical performances

### 01 Mechanical Performance

Insertion and extraction force: <100N

Mechanical life: ≥10000 times (no load)

### 03 Environmental performance

Working temperature: -30°C~50°C

Protection level: Cover closed IP54;insertion gun ≥ IP55;  
tail outlet IP67

### 02 Electrical performance

Rated voltage: AC input: 250V.ac

Rated current: AC input: 16A, 32A

Insulation resistance: >100MΩ (500V.dc)

Voltage resistance: 2500V.ac

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A, 16A, 32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A, 125A, 200A, 250A	4500V
11003	AP-GDC-LOCK	12V.dc	≤1A	500Vac, Imin leakage current ≤10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A, 32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: ≤1000V.dc	AC input: 16A, 32A DC input: 125A, 150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A, 32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A, 200A	3000V.ac
11008	AP-IDC-ES	12VDC	≤1A	500Vac, Imin leakage current ≤10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A, 125A, 150A, 200A	3000V.ac

# CCS1 DC Charging Socket

## Product Introduction

Conform to the provisions and requirements of SAE J1772-2012, It can applicable to all American standard electric vehicle charging guns.



## Product Features

- Conform to the provisions and requirements of SAE J1772-2012, It can applicable to all American standard electric vehicle charging guns.
- Use copper alloy, silver plated surface Beautiful appearance, prevention cap can be installed on the left side, the right side or the front of it, plug conveniently.
- XLPO for cable insulation prolonging the aging resistance life-span. TPU sheath improves the bending life and wear resistance of cable. The best material in the market at present.
- Special internal waterproof protection performance, protection grade achieved IP55 (working condition). The shell can effectively insulate water from body and enhance the safety level even in bad weather or special circumstances.
- Reliable material, flame retardant, pressure resistance, abrasion resistance, impact resistance and high oil resistance.

## Technical performances

### 01 Mechanical Performance

Insertion and extraction force: <140N  
 Mechanical life: ≥10000 times (no load)  
 Electronic lock life: 60,000 times (rated voltage (12V), power-on time 600ms, normal temperature)

### 03 Environmental performance

Working temperature: -30°C~50°C  
 Protection level: Cover closed IP54, insertion gun ≥ IP55;  
 electronic lock IP65; tail outlet IP67

### 02 Electrical performance

Rated voltage: AC input: 250V.ac; DC input: ≤1000V.dc  
 Rated current AC input: 16A, 32A; DC input: 125A, 150A  
 Insulation resistance: >1000MΩ (500V.dc)  
 Voltage resistance: 3000V.ac

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A、16A、32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A、125A、200A、250A	4500V
11003	AP-GDC-LOCK	12V.dc	≤1A	500Vac, Imin leakage current ≤10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A、32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: ≤1000V.dc	AC input: 16A、32A DC input: 125A、150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A、32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A、32A DC input: 125A、150A、200A	3000V.ac
11008	AP-IDC-ES	12VDC	≤1A	500Vac, Imin leakage current ≤10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A、125A、150A、200A	3000V.ac

# CHAdEMO DC Charging Socket

## Product Introduction

Complying with the CHAdEMO 2.0 standard, this product is used in Japanese standard electric vehicles. It integrates the signal terminals into one body and uses connectors to outlet the wires. The assembly method is simple. Supports front or rear installation, maximum current 200A, default cables are unshielded cables, temperature sensor is patch type, if there are other specifications, it can be customized through negotiation.



## Product Features

- Anti-straight plug dust cover
- 10000 times of plugging and unplugging cycles, stable temperature rise
- Using connectors to outlet the wires, the assembly method is simple
- AUPINS CHAdEMO socket brings you a lower cost, faster delivery, better quality, and better after-sales service.

## Technical performances

### 01 Mechanical Performance

Insulation resistance: >1000M $\Omega$  (1000V.dc)  
 Insertion and extraction force: <100N  
 Mechanical life:  $\geq$ 10,000 times (no load)

### 02 Electrical performance

Rated voltage: DC input 750V.dc  
 Rated current: 80A, 125A, 150A, 200A  
 Withstand voltage performance: 3000V.ac

### 03 Environmental performance

Working temperature: -30 $^{\circ}$ C~50 $^{\circ}$ C  
 Protection level: IP54 when the cover is closed,  
 IP55 when inserting the gun;  
 IP65 for the electronic lock;  
 IP67 for the cable outlet at the end of the charging stand

## Performance Specifications

DC adapter				
Code	Type	Rated voltage	Rated current	Insulation resistance
11001	AP-GAC-CS	AC input: 250V/440V	10A, 16A, 32A	2500V
11002	AP-GDC-CS	DC input: 750V	80A, 125A, 200A, 250A	4500V
11003	AP-GDC-LOCK	12V.dc	$\leq$ 1A	500Vac, Imin leakage current $\leq$ 10mA
11004	AP-SAC-CS	AC input: 250V.ac	16A, 32A	2500V.ac
11005	AP-SCCSI-CS	AC input: 250V.ac DC input: $\leq$ 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A	3000V.ac
11006	AP-IAC-CS	AC input: 250V.ac	AC input: 16A, 32A	2000V.ac
11007	AP-ICCS2-CS	AC input: 250V.ac DC input: 1000V.dc	AC input: 16A, 32A DC input: 125A, 150A, 200A	3000V.ac
11008	AP-IDC-ES	12VDC	$\leq$ 1A	500Vac, Imin leakage current $\leq$ 10mA
11009	AP-CHAdEMO-CS	DC input: 750V.dc	80A, 125A, 150A, 200A	3000V.ac

# NACS Vehicle Charging Socket

## Product Introduction

NACS charge inlet is for the electric vehicles adopt NACS charging standards. Its module design complies with the SAE J3400 standard. Cable length can be customized as a cu



## Product Features

- The NACS charge port is a combination of AC/DC charging the highest amperage is 350A, rated voltage is 1000V DC.
- The Tesla charge inlet assembly is with cables, the cable length can be customized according to customers' requirements.
- The J3400 NACS charge inlet is a module design.
- All parts comply with RoHS, OEM service is welcome

## Technical performances

### 01 Mechanical Performance

unmated :IP2X  
 Safety class: II  
 Insertion/withdrawal force :<90N  
 Locking system: Snap-in  
 Connector System : 4 9mm  
 Degree of protection,mated : Type 3R  
 Durability: 10000 Mating Cycles

### 02 Electrical performance

Rated voltage :1000VDC  
 Rated current :350A/300A/250A/200A/150A/125A/80A/  
 65A/60A/50A/48A/40A/32A/16A  
 Test voltage :3KV(50Hz/1min)  
 Contact resistance of plug connectors :0.35mΩ Max

### 03 Environmental performance

Waterproof Level:IP67  
 Insulation material:PC  
 Flame class:UL94-VO  
 Ambient temperature range :-40°C..+50°C  
 Operating temperature:-40°C-105°C  
 Salt mist spray test.degree of severity 5 :IEC 60068-2-52  
 Contact material :Copper Alloy,Silver plated

## Performance Specifications

NACS Vehicle Plug/ Socket				
Code	Type	Rated current	Rated voltage	Test voltage
13001	AP-NACS-Plug	65A/60A/50A/48A/40A/32A/16A	500VDC/240VAC	2KV(50Hz/1min)
13002	AP-NACS-CS	350A/300A/250A/200A/150A/125A/80A/ 65A/60A/50A/48A/40A/32A/16A	1000VDC	3KV(50Hz/1min)