

# NACS Vehicle Plug

## Product Introduction

The NACS Vehicle Plug developed by AUPINS has an ergonomic handle design that is comfortable to hold and easy to plug and unplug. The locking bayonet anti-loosening device ensures a stable and reliable connection. It pays great attention to user experience and is easy to operate. At the same time, it has built-in multiple safety protection mechanisms to ensure a safe and worry-free charging process. AUPINS is committed to providing users with more convenient and fast charging solutions through continuous innovation.



## Product Features

- All parts must be compliant RoHS
- Reliable plug-in and pull-out
- Compact structure, easy installation
- Good environmental resistance

## Technical performances

### 01 Mechanical Performance

unmated :IP2X  
 Connector System : Ø9mm  
 Safety class: II  
 Insertion/withdrawal force : <90N  
 Locking system: Snap-in  
 Degree of protection, mated : Type 3R  
 Durability: 10000 Mating Cycles

### 02 Electrical performance

Rated voltage :500VDC/240VAC  
 Rated current :65A/60A/50A/48A/40A/32A/16A  
 Test voltage :2KV(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) |