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 complant 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℃..+50℃
Operating temperature:-40℃-105℃
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)