

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