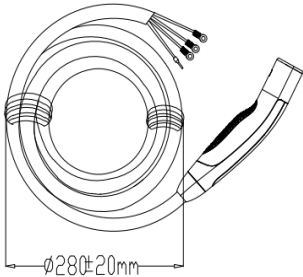


NACS EV Connector Specification Manual

NACS American standard EV Connector; it can be used as a Tesla charging station to charge new energy electrical vehicles in transit and at their destination.

1、Product diagram

Model	Name	Product images	Nameplate labels(Example)
ZAT-U080A001、ZAT-U080B001、 ZAT-U080C001、ZAT-U080D001、 ZAT-U080E001、ZAT-U080F001、 ZAT-U060A001、ZAT-U060B001、 ZAT-U060C001、ZAT-U060D001、 ZAT-U060E001、ZAT-U060F001、 ZAT-U050A001、ZAT-U050B001、 ZAT-U050C001、ZAT-U050D001、 ZAT-U050E001、ZAT-U050F001、 ZAT-U040A001、ZAT-U040B001、 ZAT-U040C001、ZAT-U040D001、 ZAT-U040E001、ZAT-U040F001、 ZAT-U032A001、ZAT-U032B001、 ZAT-U032C001、ZAT-U032D001、 ZAT-U032E001、ZAT-U032F001、 ZAT-U016A001、ZAT-U016B001、 ZAT-U016C001、ZAT-U016D001、 ZAT-U016E001、ZAT-U016F001;	Functional NACS EV Connector Cable (Vehicle end)		Zopoise EV Connector Model:ZAT-U080A001 Rated:240V AC/80A Temperature:-40~122°F Enclosures rating:Type 4;Mated :Type 3S FCC ID:2A8TQ-ZPSKG IC:31794-ZPSKG INM:ZAT-01 Conforms to UL Std. 2251 Certified to CSA Std. C22.2#282 RECOGNIZED COMPONENT  Intertek 5021239 Caution – Do not use this product if there is any damage to the EV cable or the EV connector. Attention – Ne pas utiliser ce produit si le câble VÉ ou le connecteur est endommagé.
ZAS-U080A001、ZAS-U080B001、 ZAS-U080C001、ZAS-U080D001、 ZAS-U080E001、ZAS-U080F001、 ZAS-U060A001、ZAS-U060B001、 ZAS-U060C001、ZAS-U060D001、 ZAS-U060E001、ZAS-U060F001、 ZAS-U050A001、ZAS-U050B001、 ZAS-U050C001、ZAS-U050D001、 ZAS-U050E001、ZAS-U050F001、 ZAS-U040A001、ZAS-U040B001、 ZAS-U040C001、ZAS-U040D001、 ZAS-U040E001、ZAS-U040F001、 ZAS-U032A001、ZAS-U032B001、 ZAS-U032C001、ZAS-U032D001、 ZAS-U032E001、ZAS-U032F001、 ZAS-U016A001、ZAS-U016B001、 ZAS-U016C001、ZAS-U016D001、 ZAS-U016E001、ZAS-U016F001;	Regular NACS EV Connector Cable (Vehicle end)		Zopoise EV Connector Model:ZAS-U080A001 Rated:240V AC/80A Temperature:-40~122°F Enclosures rating:Type 4;Mated :Type 3S Conforms to UL Std. 2251 Certified to CSA Std. C22.2#282 RECOGNIZED COMPONENT  Intertek 5021239 Caution – Do not use this product if there is any damage to the EV cable or the EV connector. Attention – Ne pas utiliser ce produit si le câble VÉ ou le connecteur est endommagé.

2、Product application

Widely used in NACS American standard charging stations to charge new energy electrical vehicles in transit and at their destination.

3、Materials and surface treatment

Material	specifications	Surface treatment	Flame retardant level
Main line terminal	copper alloy	Silver plating	
Signal line terminals	copper alloy	Silver plating	
Plastic shell	PC	Black	UL94-V0

4、Product performance

Electrical performance	Features
Rated voltage	AC 120V~240V
Rated current	16A/32A/40A/50A/60A/80A

Voltage withstand	AC 2000V
Contact resistance	$\leq 0.5m\Omega$
Insulation resistance	$\geq 100M\Omega$
Temperature rise	$\leq 50K$
Mechanical performance	Features
Insertion force	$\leq 100N$
Pull-out force	$\leq 100N$
Reliability	10000 times
Environmental performance	Features
Operating temperature	- 40℃~50℃
Using humidity	0~95%RH
Protection level	TYPE4

5、Wiring specifications

16A (ZAT-U016F001/ZAS-U016F001)	3*14AWG+4*22AWG/3*14AWG+1*22AWG
32A (ZAT-U032F001/ZAS-U032F001)	3*10AWG+4*22AWG/3*10AWG+1*22AWG
40A (ZAT-U040F001/ZAS-U040F001)	2*9AWG+1*10AWG+4*22AWG/2*9AWG+1*10AWG+1*22AWG
50A (ZAT-U050F001/ZAS-U050F001)	2*8AWG+1*10AWG+4*22AWG/2*8AWG+1*10AWG+1*22AWG
60A (ZAT-U060F001/ZAS-U060F001)	2*6AWG+1*8AWG+4*22AWG/2*6AWG+1*8AWG+1*22AWG
80A (ZAT-U080F001/ZAS-U080F001)	2*6AWG+1*8AWG+4*22AWG/2*6AWG+1*8AWG+1*22AWG

6、Safety regulations and environmental protection

☐ UL ☐ CE ☒ FCC ID ☒ IC ID ☒ ETL/CETL

7、Certification standards

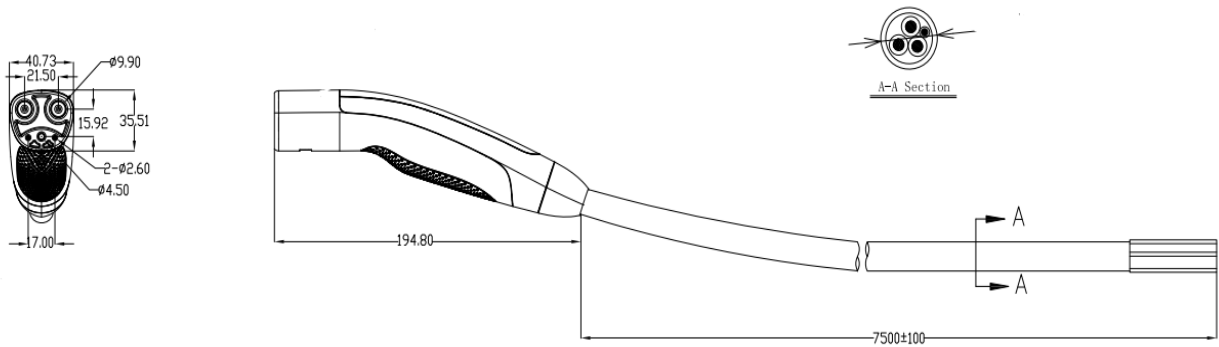
Model	Certification category	Certification file number	Execution standards
ZAT-U080A001、ZAT-U080B001、 ZAT-U080C001、ZAT-U080D001、 ZAT-U080E001、ZAT-U080F001、 ZAT-U060A001、ZAT-U060B001、 ZAT-U060C001、ZAT-U060D001、 ZAT-U060E001、ZAT-U060F001、 ZAT-U050A001、ZAT-U050B001、 ZAT-U050C001、ZAT-U050D001、 ZAT-U050E001、ZAT-U050F001、 ZAT-U040A001、ZAT-U040B001、 ZAT-U040C001、ZAT-U040D001、 ZAT-U040E001、ZAT-U040F001、 ZAT-U032A001、ZAT-U032B001、 ZAT-U032C001、ZAT-U032D001、 ZAT-U032E001、ZAT-U032F001、 ZAT-U016A001、ZAT-U016B001、 ZAT-U016C001、ZAT-U016D001、 ZAT-U016E001、ZAT-U016F001;	ETL/CETL FCC ID /IC ID	5021239	UL2251 47 CFR FCC part 15, Subpart C RSS-210, RSS-102, RSS-GEN

ZAS-U080A001、ZAS-U080B001、 ZAS-U080C001、ZAS-U080D001、 ZAS-U080E001、ZAS-U080F001、 ZAS-U060A001、ZAS-U060B001、 ZAS-U060C001、ZAS-U060D001、 ZAS-U060E001、ZAS-U060F001、 ZAS-U050A001、ZAS-U050B001、 ZAS-U050C001、ZAS-U050D001、 ZAS-U050E001、ZAS-U050F001、 ZAS-U040A001、ZAS-U040B001、 ZAS-U040C001、ZAS-U040D001、 ZAS-U040E001、ZAS-U040F001、 ZAS-U032A001、ZAS-U032B001、 ZAS-U032C001、ZAS-U032D001、 ZAS-U032E001、ZAS-U032F001、 ZAS-U016A001、ZAS-U016B001、 ZAS-U016C001、ZAS-U016D001、 ZAS-U016E001、ZAS-U016F001；	ETL/CETL	5021239	UL2251
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8、Packaging, storage, and maintenance instructions

The product should be stored in a warehouse with a temperature range of -40 ℃~105 ℃, a relative humidity not exceeding 80%, and no acid, alkali, or other corrosive gases; before connecting the plug and socket, making sure there is no condensation or dirt before connecting.

9、External dimensions



FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

IC Statement

This device complies with Canada Industry licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference; and

(2) this device must accept any interference. Including interference that may cause undesired operation of the device.

Avis d'Industrie Canada

Le présent appareil est conforme aux CNR d'industrie Canada applicables aux appareils radio exempts de licence L'exploitation est autorisée aux deux conditions suivantes:

1) l'appareil ne doit pas produire de brouillage; et

2) l'utilisateur de l'appareil doit accepter brouillage radio électrique subi même si le brouillage est susceptible d'encompromettre le fonctionnement. mauvais fonctionnement de l'appareil.

Radiation Exposure Statement:

This product complies with the IC RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual.

Déclaration d'exposition aux radiations:

Ce produit est conforme à la limite d'exposition IC RF définie pour un environnement non contrôlé et est sûr pour le fonctionnement prévu comme décrit dans ce manuel.