

EDF REV.E		1	2		3		5		6		7		8				
MOLD NO.		890-XXX		RFQ NO.		RFQ23353		REV.		ECN NO.		DESCRIPTION		APPD.		DATE	
								X9		20240305XXX		Change the content of the laser engraving		Hifong		03/05/24'	
								X10		20240319XXX		Change -30 to -40		Hifong		03/19/24'	
								X11		20240326XXX		Change FCC ID		Hifong		03/26/24'	

③

45.7

DC

DC+

PP

CP

PE

④

42.8

⑤

214

①

Cable length: X±250

②

Y±20

DC+

DC-

DC-

PE

CP

PP

PE

VCC

T1+

T1-

RED

RED

BLACK

BLACK

YELLOW/GREEN

VIOLET

ORANGE

YELLOW

BLUE

WHITE

BLACK

Heat Shrinkage Tube

66X14-XX TYPE 3S

ENCLOSURE IP67

NACS ***A 1000V DC

Ambient temperature rating: -40°C to +50°C

Do Not Disconnect Under Load

FCC ID: 2BFID-13EA2BFID

202403050001

202310190001

***A

manufacture date

SN

Rate

Current

S1: Normally closed switch used in conjunction with VPP, R1, R2, R3, and R4 as part of the proximity pilot circuit to determine the connection status of the vehicle connector. S1 is located in the vehicle connector and is operator accessible.

S1 is opened to indicate desire to stop the charge session and disconnect the vehicle connector. Implementation of S1 is optional.

R1: 150Ω±10%

R2: 330Ω±10%

UHF Transmitter Frequency: 315MHz or 434MHz

Product Features

1. Rated Current: 80A, 125A, 150A, 200A, 250A, 300A, 350A

2. Rated Voltage: 1000VDC, 250VAC

3. Withstand Voltage: 3000V AC

4. Contact Resistance: 0.35mΩ Max

5. Insulation Resistance: ≥100MΩ (In the case of AC1000V)

6. Protection Level: IP67 (Enclosure) UL50E TYPE 3S (MATED)

7. Test according to UL2251

8. Connection Method: Crimping

9. Ambient Temperature: -40°C-50°C

10. Operating Temperature: -40°C-105°C

11. Durability: 10000 Mating Cycles

12. All parts must be compliant RoHS.

UNDECLARED TOLERANCE

X.±1.0

X.±2.0°

.X±0.5

.X°±1.0°

.XX±0.25

.XX°±0.5°

UNITS: MM

CUS P/N:

PART NO.:

SEE ORDER NO.

APPD.: Hifong

CHKD.: Hifong

DR.: Hifong 08/12/23'

Ti-Lane PRECISION ELECTRONIC CO., LTD.

TITLE: 1000V NACS Charging plug with cable (80A-350A)

DWG NO.: D65416

SCALE

SHEET

REV.

1:2

1/4

X11

1	PART_NAME	DESCRIPTION	ITME
ITEM	PART NAME	DESCRIPTION	QTY
1			
2			
3			
4			
5			
6			
7			
8			

EDF REV.E

EDF REV.E		1		2		3		5		6		7		8					
MOLD NO. 890-XXX				RFQ NO.		RFQ23353		REV.		ECN NO.		DESCRIPTION				APPD.		DATE	
								X9		20240305XXX		Change the content of the laser engraving				Hifong		03/05/24'	
								X10		20240319XXX		Change -30 to -40				Hifong		03/19/24'	
								X11		20240327XXX		Change FCC ID				Hifong		03/27/24'	

③

40.4

L2

L1

PP

CP

PE

④

35.1

⑤

194

①

Cable length: X±250

②

Y±20

⑥

66X15-XX

⑦

Heat Shrinkage Tube

⑧

RED

⑨

BLACK

⑩

YELLOW/GREEN

⑪

VIOLET

⑫

ORANGE

⑬

BLUE

66X15-XX TYPE 3S

ENCLOSURE IP67

NACS **A 250V AC

Ambient temperature

rating: -40°C to +50°

Do Not Disconnect Under Load

FCC ID: 2BFID-13EA2BFID

202310190001

202310190001

**A

manufacture date

SN

Rate Current

⑭

202310190001

⑮

**A

⑯

66X15-XX

⑰

EV Cable

⑱

1-Cable length X: 2.5M(8.20FT)

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2-Cable length X: 3.0M(9.84FT)

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3-Cable length X: 3.5M(11.48FT)

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4-Cable length X: 4.0M(13.12FT)

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5-Cable length X: 4.5M(14.76FT)

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6-Cable length X: 5.0M(16.40FT)

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7-Cable length X: 5.5M(18.04FT)

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8-Cable length X: 6.0M(19.69FT)

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9-Cable length X: 6.5M(21.33FT)

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0-Cable length X: 7.0M(22.97FT)

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A-Cable length X: 7.5M(24.61FT)

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0-For Rated current: AC 50A/60A/65

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1-For Rated current: AC 40A

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2-For Rated current: AC 32A

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3-For Rated current: AC 16A

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NACS Vehicle AC Plug

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SN: Cable end(Strip length Y)

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0- 100mm

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1- 150mm

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2- 200mm

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3- 250mm

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4- 300mm

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