

## 150A CCS2 Vehicle Inlet Technical Parameters

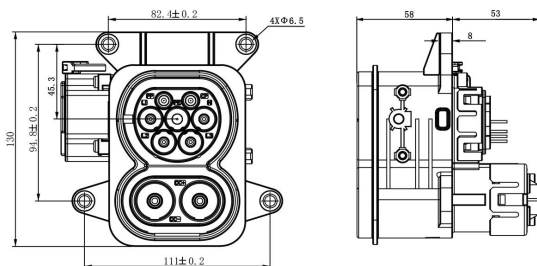
SCZ-150A-1000V-EU-G001



Vehicle charging inlet for charging with direct current (DC), compatible with type 2 CCS vehicle charging connectors (EVSE), for installation in electric vehicles (EV).

EV charging inlet, for charging with alternating current (AC) and with direct current (DC), CCS type 2, IEC 62196.3-2022, 150 A / 1000 V (DC), 32 A / 480 V (AC), wires length: customize, locking actuator: 12V / 24V, Front mounting, Push-on protective cap.

### Dimension Drawing



### Product Characteristics

- The direct plug dust cover is made of TPU material, which has both hardness and toughness;
- Adopt unique drainage structure and one-piece plastic structure design to improve locking reliability;
- Bolt-free design, simple assembly process;
- The temperature sensor is close to the power terminal, with high sensitivity, accuracy and reliability;
- Developed in accordance with IATF 16949 automotive standard, complies with IEC 62196-2022;

### The Product Definition

Standard	IEC 62196-2022
Charging Standard	CCS type 2
Locking Type	Locking in the inserted state with a locking mechanism
Current Type	DC
Application	Charging inlet for new energy vehicles

### Ambient Condition

Ambient Temperature (working)	-40 ~ +50°C
Degree of protection	IP44
Salt spray level	96H

### Material specifications

shell Material	PA
Insulator Material	PA
Seal Material	silicone rubber
Pin Material	Copper Alloy, Silver Plated

### Electrical Properties

Connection method	Crimp connection, cannot be disconnected
Rated Current	DC+/DC-: 150A; L1/L2/L3/N: 32A ; PP/CP: 2A
Rated Voltage	DC+/DC-: 1000V DC; L1/L2/L3/N: 480V AC; PP/CP: 30V DC
Insulation resistance	100M (normal temperature) under 1000V DC
Temperature Monitor	2*PT1000
Electronic lock	12V / 24V DC

### Cable Specifications

DC+/DC-	50mm², insulation outer diameter.: 13±0.2
PE	25mm², insulation outer diameter.: 9.6±0.3
L1/L2/L3/N	6mm², insulation outer diameter.: 4.7±0.2
PP/CP	0.75mm², insulation outer diameter.: 1.75±0.1
Thermal sensor/Electronic lock	0.5mm², insulation outer diameter.: 1.6±0.1

### Mechanical Performance

Insertion/withdrawal cycle	>10000 times
Insertion& Pullout Force	<100N