

## 125A CCS2 Vehicle Inlet Technical Parameters

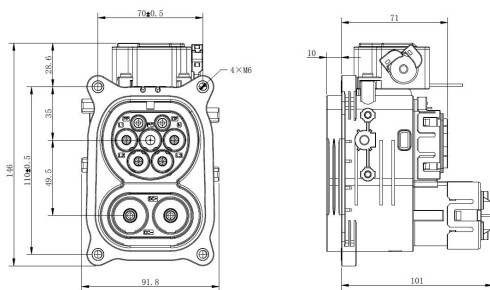
SCZ-125A-1000V-EU-G002



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, 125 A / 1000 V (DC), 32 A / 480 V (AC), wires length: customize, locking actuator: 12V / 24V, Rear 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;
- DC+/DC- adopts car-grade orange high-voltage wires;
- 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-: 125A; L1/L2/L3/N: 32 A ; PP/CP: 2A           |
| Rated Voltage         | DC+/DC-: 1000V DC; L1/L2/L3/N: 480V AC; PP/CP: 30V DC |
| Insulation resistance | ≥ 100MΩ(normal temperature) under 1000V DC            |
| Temperature Monitor   | 2*PT1000                                              |
| Electronic lock       | 12V / 24V DC                                          |

## Cable Specifications

|                                |                                                |
|--------------------------------|------------------------------------------------|
| DC+/DC-                        | 35mm², insulation outer diameter.: Φ11±0.2     |
| PE                             | 25mm², insulation outer diameter.: Φ9.6±0.3    |
| L1/L2/L3/N                     | 6mm², insulation outer diameter.: Φ4.7±0.2     |
| PP/CP                          | 0.75mm², insulation outer diameter.: Φ1.75±0.1 |
| Thermal sensor/Electronic lock | 0.5mm², insulation outer diameter.: Φ1.6±0.1   |

## Mechanical Performance

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