

250A GB/T DC Charging Socket Technical Parameters

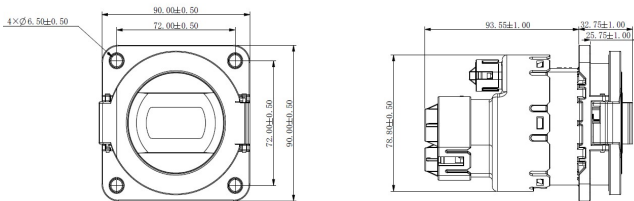
SCZ-250A-750V



The SCZ series GB/T DC charging socket is installed on the electric vehicle and realizes the DC charging function by cooperating with the DC charging cable. The product meets the requirements of GB/T 20234.3-2015 and RoHS.

EV charging inlet, for charging with direct current (DC), DC GB/T, GB/T 20234.3-2015, 250 A / 750 V (DC), wires length: customize, Front mounting, Protective cap with left flap.

Dimension Drawing



Product Characteristics

- PCBA integrated design, safe and reliable performance
- Modular design of low-voltage wiring harness, easy assembly of wiring harness
- Front and rear mounting (0 to 90 degree frontal inclination possible)
- A protective cap is supplied as standard for the DC contacts. Left flip, right flip or direct plug-in three types are optional;
- Developed in accordance with IATF 16949 automotive standard, complies with GB/T 20234.3-2015;

The Product Definition

| | |
|-------------------|---|
| Standard | GB/T 20234.3-2015 |
| Charging Standard | DC GB/T |
| Locking Type | None, locking provided by charging plug |
| Current Type | DC |
| Application | Charging inlet for new energy vehicles |

Ambient Condition

| | |
|-------------------------------|--------------|
| Ambient Temperature (working) | -40 ~ +125°C |
| Degree of protection | IP55 |
| Salt spray level | 96H |

Material specifications

| | |
|--------------------|-----------------|
| shell Material | PA |
| Insulator Material | PA |
| Seal Material | silicone rubber |
| DC+/DC- Contacts | copper alloy |

Electrical Properties

| | |
|-----------------------|--|
| Connection method | Crimp connection, cannot be disconnected |
| Rated Current | DC+/DC-: 250A; |
| Rated Voltage | DC+/DC-: 750V DC; S+/S-/A+/A-/CC2:30V |
| Insulation resistance | 1000V DC 100M (DC+/DC-/PE) |
| Temperature Monitor | 2*NTC R25 ±10K ±1% |
| Temperature Rise | <50K |

Cable Specifications

| | |
|----------------|--|
| DC+/DC- | 70mm ² , insulation outer diameter.: 15.0±0.3 |
| PE | 25mm ² , insulation outer diameter.: 10.0±0.2 |
| S+/S-/CC2 | 0.5mm ² , insulation outer diameter.: 1.6±0.1 |
| A+/A- | 0.5mm ² , insulation outer diameter.: 1.6±0.1 |
| Thermal sensor | 0.5mm ² , insulation outer diameter.: 1.6±0.1 |

Mechanical Performance

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