

## 400A GB/T DC Charging Socket Technical Parameters

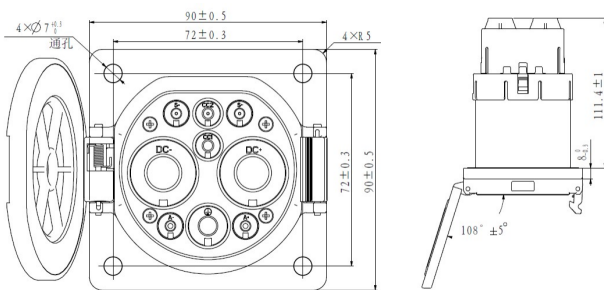
SKZ-400A-1000V



The SKZ 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, 400 A / 1000 V (DC), wires length: customize, Front mounting, Protective cap with left flap.

### Dimension Drawing



### Product Characteristics

- When the DC jack is damaged, it can be quickly replaced and maintained easily;
- In the process of product line making, the DC jack can be crimped first and then assembled, which can realize modular material preparation and high production efficiency.
- PCBA integrated design, safe and reliable performance
- Modular design of low-voltage wiring harness, easy assembly of wiring harness
- 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	Ultrasonic welding, cannot be disconnected
Rated Current	DC+/DC-: 400A;
Rated Voltage	DC+/DC-: 1000V 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-	120mm <sup>2</sup> , insulation outer diameter.: 18.5±0.4
PE	25mm <sup>2</sup> , insulation outer diameter.: 10.0±0.2
S+/S-/CC2	0.75mm <sup>2</sup> , insulation outer diameter.: 1.75±0.15
A+/A-	2.5mm <sup>2</sup> , insulation outer diameter.: 2.90±0.1
Thermal sensor	0.5mm <sup>2</sup> , insulation outer diameter.: 1.6±0.1

### Mechanical Performance

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