

125A GB/T DC Charging Socket Technical Parameters

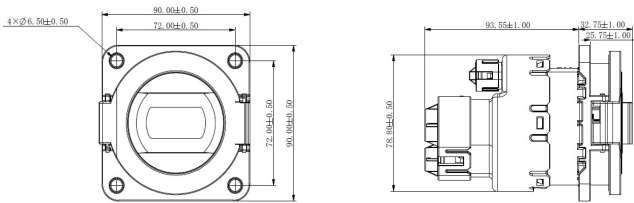
SCZ-125A-750V



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, 125 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-: 125A;
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 $\approx 10K \pm 1\%$
Temperature Rise	<50K

Cable Specifications

DC+/DC-	35mm ² , insulation outer diameter.: 11.0 ± 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