

16A GB/T AC Charging Socket Technical Parameters

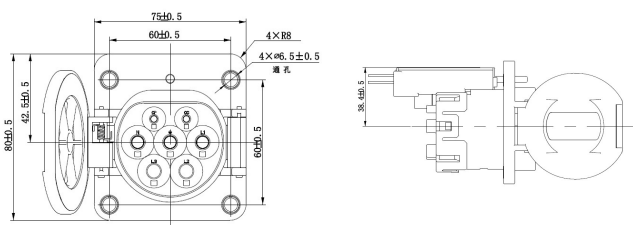
SCZ-16A-250V



SCZ series GB/T AC charging socket are installed on electric vehicles and can realize AC charging function by cooperating with AC charging guns. The products meet GB/T 20234.2-2015 and meet RoHS requirements.

EV charging inlet, for charging electric vehicles (EV) with alternating current (AC), AC GB/T, GB/T 20234.2-2015, 16 A / 250 V (AC), Single wires, length: 2 m / 3 m / customize, locking actuator: 12 V, Front and rear mounting, M6, housing: black, Protective cap with left flap.

Dimension Drawing



Product Characteristics

- The electronic lock is small in size and convenient for vehicle layout
- Parts can be pre-assembled to achieve large-scale material preparation and high wiring harness production efficiency
- Front and rear mounting (0 to 90 degree frontal inclination possible)
- Three kinds of dust covers are optional: left open cover, right open cover, and direct plug-in
- Developed in accordance with IATF 16949 automotive standard, complies with GB/T 20234.2-2015;

The Product Definition

Standard	GB/T 20234.2-2015
Charging Standard	AC GB/T
Locking Type	12 V electronic lock
Current Type	AC
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	L1/N/PE: 16A; CC/CP: 2A
Rated Voltage	L1/N/PE: 250V; CC/CP: 30V
Insulation resistance	500V DC 100M
Temperature Monitor	1*NTC R25 ±10K ±1%
Temperature Rise	<50K

Cable Specifications

L1/N/PE	2.5mm ² , insulation outer diameter.: 3.55±0.15
CC/CP	0.75mm ² , insulation outer diameter.: 1.75±0.15
Temperature sensor cable	0.5mm ² , insulation outer diameter.: 1.6±0.1
Electronic lock cable	0.5mm ² , insulation outer diameter.: 1.6±0.1

Mechanical Performance

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