

Connector with cable for electric vehicle quick charger

CCS Type2 Connector

Forte

- Light weight
- Small connector
- Small diameter cable

Compliant to IEC 62196-3 Config. FF

Marking CE UKCA

Current range ~ 60A, ~ 125A, ~ 200A

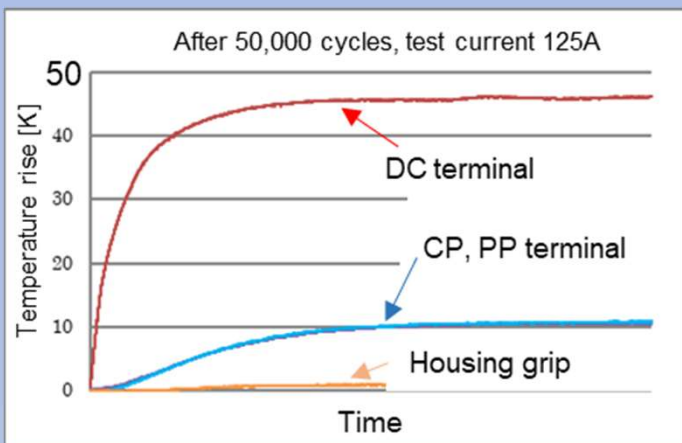
Operating temperature -30°C ... 50°C



Characteristic

Long life terminal

Number of operation cycles	Terminal temperature rise	Remark
10,000 cycle	< 50K	Threshold IEC 62196-3
50,000 cycle	< 50K	5 times the threshold



*This data is an experimental result and may differ in actual use.

Cable flexibility in cold environments

Immediately after taking it out from the environment of low temperature -30 °C, it was confirmed that the cable was flexible and could be bent freely.



Specification

Electrical specification					Cable			
Rated voltage	DC 850V		DC 1000V		Rated current	125A/135A	60A	
Rated current	125A @50°C	60A @50°C	135A @40°C	60A @50°C	Outer diameter(mm)	28.5	21.6	
Max current	125A	60A	200A (Max 40°C)	60A	Bending radius(mm)	171	130	
Remark			*Fast Charging 80	*DC Charging 24	Approx. mass(kg/m)	1.4	0.7	
Connector								
Temperature sensor	Pt 1000 include (Power contacts DC+ and DC-)							
Proximity resistor (IEC 61851)	1500Ω PE –PP							
Insulation resistance	> 100MΩ							
Number of operation	> 10,000cycles : No damage and temperature rise of the terminal is 50K or less.							
Drop impact	No breakdown : Drop 8 times from height 1 m. (- 30°C)							

Conductor (Protective earth)
Conductor (Power)
Conductor (Control)

How to operate

Mating the connector

Hold the grip firmly and insert it straight in a vertical direction to the vehicle side inlet.



Unmating the connector

Hold the grip firmly and pull it straight out vertically to the vehicle side inlet.

