Hyperboloid Contact Pins

Product Introduction

The hyperboloid contacts spring terminal is the patented product specially developed and researched by AP team to match the high current connector of the electric vehicle. It is processed according to the principle of hyperboloid, which is the technology closest to the theoretical hyperboloid. And the hyperboloid contacts structure is able to meet the market demands of multi-variety and small batches.



Product Features

- Standard hyperboloid contact
- Low and stable insertion and extraction force
- Small contact resistance
- Large carrying capacity and low temperature rise
- Safe contact and strong anti-vibration ability
- Long mechanical life

Technical performances

01 Mechanical Performance

Material	Brass, Copper
Contact material	beryllium bronze
Plating Material	Gold, silver plating

Tips: Customized according to requirements

02 Electrical performance

Mechanical life	≥10,000 times
Operating temperature	-40°C~125°C

Performance specification

Hyperboloid size (mm)	Rated current ⩽ (A)	Application
0.66	5	New energy electric vehicles and other charging, conductive related fields
1.0	10	
1.5	20	
1.6	25	
2.4	40	
3.0	45	
3.6	70	
4.0	75	

Hyperboloid size (mm)	Rated current ⩽ (A)	Application
6.0	130	New energy electric vehicles and other charging, conductive related fields
8.0	200	
10.0	300	
12.0	350	
14.0	400	
14.5	450	
16.0	500	
18.0	600	