

NEWSOK For Auto Electric Car Charging Ark



High Reliability

Unique NEWSOK design and construction technology create an electrical contact interface that exceeds typical interconnect requirements. Applications in aerospace, medical, Industrial, automotive, mining, offshore, and other harsh environments depend on high reliability of the Chogori NEWSOK technology

Low Contact Engagement/Separation Forces

The hyperbolic lamella socket contact construction distributes normal forces over a high percent-age of the mating pin surface. This creates a smooth, even engagement effort. This force distribution also contributes to excellent performance in vibration applications with resistance to typical fretting corrosion.

Low Contact Resistance

The large interface area between the socket lamella and pin surface result in very low contact resistance, enabling the NEWSOK contacts' high current ratings compared to traditional power contact designs

Low Fever, Highly Conductive, Low Pressure Drop

Because the contact reeds is different from traditional high BeCu material, it can provide more than 50% of the conductive rate, therefore it has nearly twice as high conductivity of traditional touch with excellent low fever, high heat dissipation, low pressure drop performance.

High Mating Cycle Durability

NEWSOK contacts with typical silver plating finishes have demonstrated survival of 20,000 mating cycles. Specialized plating and contact lubricants can extend cycle life to 200,000 mating or higher. Even with continuous exposure to harsh environmental abuse (salt, sand, and high humidity), NEWSOK contacts have been tested to maintain low contact resistance beyond 10,000 mating cycles.

