

High Power Slip Ring

The Moog high power system is designed for applications requiring a transmission of high voltage and high currents. The technology used achieves safe power transmission and high electrical contact reliability in a limited installation space, which is a typical challenge for electrified mobile machines.

The robust housing of the slip rings enables reliable operation under harsh environmental conditions and offers comprehensive protection against corrosion, humidity, and vibration. Even temperatures from -40°C to +80°C pose no problem for this proven system. Upon request, the slip ring meet protection class IP67/IP69K.

Furthermore, the slip ring and its housing can be customized according to customer requirements. This allows the compact, modular slip ring to be easily integrated into the existing design of the construction machine using customized adapters and connectors.



Features

Rugged housing for harsh environments.
Minimal wear, debris and corrosion.
High electrical contact reliability.
Low noise during data transmission.
Customizable space saving solutions.
Contacting and non-contacting technologies available.
Long life expectancy.
Collaborative, technology neutral approach.
Trusted and field proven since 1951.

Technical Data

Wide Operating Temperature Range	-40° to 80°C
Current	Up to 2000 amps and 1000 VAC/DC
Protection Class	Up to IP67 / 69k
Free Combinable With	Digital/analog data transmission CAN bus 250 kbit - 1 Mbps Ethernet 100 Mbps - 2.5 Gbps Rotary union Encoder (e.g., CAN safety)