USDK656 is a modern signal & power slip ring system, using Mersen premium carbon brush grades to transmit signal, data and power.

Mersen premium carbon grades are based on tribological experience with low wear rate, which translates to less dusting, reliable data transfer, power and extended life of the component.

The design was optimized to withstand harsh operating conditions and a wide range of vibration frequencies:

- Integrated connection cabinet allows for easy access of internal connections and quicker maintenance
- A novel sealing design provides extra protection from environmental degradation. Designed according to international ISO, UL and CSA standards.
- Cleaning is a quick process with removable covers, as shown on overleaf

**FACTS & FIGURES**

- **Dimensions (L x W x H)**
  870 x 225 x 260 mm
- **Weight:**
  30.8 kg
- **Heating:**
  PTC 70 W regulated
- **IP protection class:**
  IP 54 class 2
- **Number of channels:**
  35
- **Max. Amp rate:**
  65 A
- **Max. Voltage:**
  400 V
- **Data / Signal:**
  RS422
  24 V / 1 A
  24 V / 16 A
Flat adapter for easy access, easy cable clamping and a rubber seal

Handles at each end of the unit

Power and data signal ports for stator side inside top cover

Easily accessible components

Adapter neck with minimized stress using FEM design standards

Bronze ring design featuring silver content brush grades for maximum life and reliability

IP54 class 2 standard with a sputtered-on sealing