

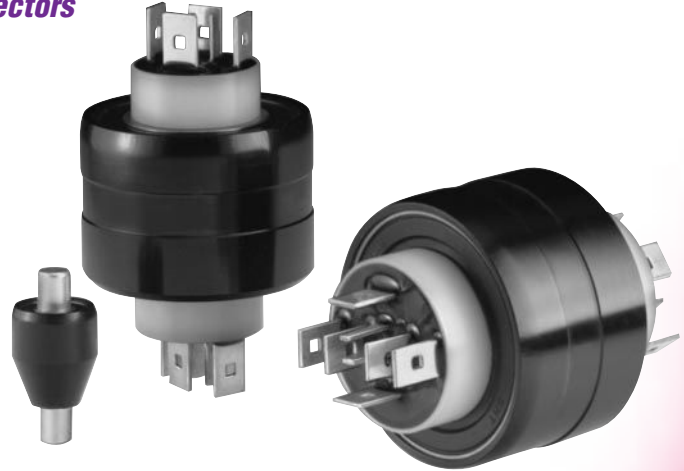
### Rotating Multi-Pin Electrical Connectors

*Do you want a superior connection or an ordinary slip ring assembly?*

**Choose TEMPCO's Rotating Electrical Connectors for Higher Operating Efficiencies . . .**

#### Design Features

- \* Superior to conventional slip rings
- \* Extremely low electrical noise
- \* Less than 1 milliohm resistance
- \* Sealed, ball bearing construction
- \* Increased reliability, no maintenance
- \* Durable, compact, low cost



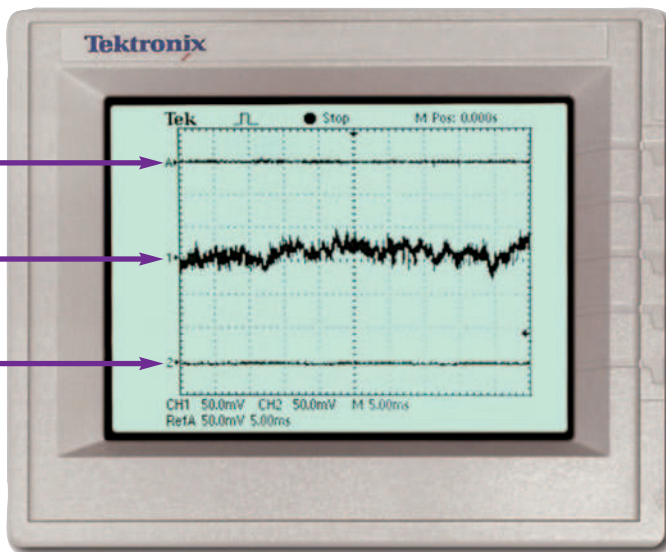
### Multi-Pin Rotating Connectors Offer Superior Performance

Slip rings require maintenance and lose signal quality over time due to wear and debris on the brushes and commutator. **Tempco's Rotating Electrical Connectors** are maintenance free. They last much longer than slip ring assemblies, and the signal does not degrade over time.

Slip rings introduce electrical noise into the signal being transmitted, as shown on the oscilloscope below. **Tempco's Rotating Electrical Connectors** transmit with near zero electrical noise, so the same connector style can be used for power and signal transmission, saving money.

Slip rings typically last for a few million revolutions. **Tempco's Rotating Electrical Connectors** typically last hundreds of millions of revolutions. In many applications they can last over a billion revolutions.

The superior performance of **Tempco's Rotating Electrical Connectors** is attributable to the unique design of the connector. The electrical conduction path is a liquid metal that is molecularly bonded to the contacts. This creates a connection that is constant and unchanged for the life of the connector.



#### Typical Applications

- ➔ Heating Elements
- ➔ Lamps
- ➔ Thermocouples
- ➔ Signs
- ➔ Rotating Antennas
- ➔ Displays
- ➔ Turntables
- ➔ Packaging Equipment
- ➔ Cable Reels
- ➔ Robotics
- ➔ Instrumentation
- ➔ Strain Gauges
- ➔ Testing and Control Devices
- ➔ Heated Rollers

#### Ordering Information

Order by the part number of the rotating connector and accessories that match your requirements.

**Standard lead time is stock to 4 weeks.**

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).