

# Ground Fault and Cable Break Detection System

For DC TRAILING CABLE POWERED SHUTTLE CARS (DC/AC (VFD) or DC/DC) 200VDC - 600VDC



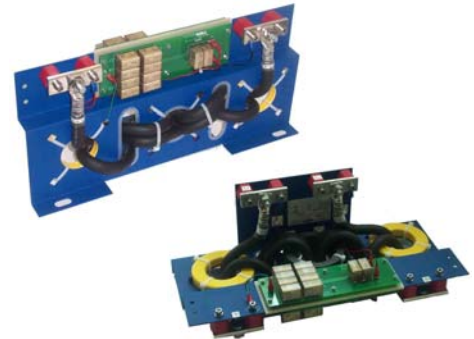
**A800203** Ground Fault Detection Diode Assembly



**A800390** GF Detection Transmitter



**A800392** GF Detection Receiver



**A800393** EMC Filter

- Safety Improvement - Only System that Removes High Voltage from DC Trailing Cable
- Instantly detects cable break - no exposed live conductors on mine floor
- Detects ground fault condition at the Shuttle Car, Power Center and Trailing Cable
- Uses Reliable Signal over 2 Conductor Trailing Cable - no additional wiring required
- Grounding Diode/Relay assembly for Negative Ground DC ShuttleCars
- GD/R Assembly can be mounted in any Position—Does not use Mercury Tube Contacts
- Sensing Current 15A DC Maximum
- Designed for Saminco DC Trailing Cable VFD or DC/DC Shuttle Car System
- If the Vehicle Shunt Trip/Circuit Breaker does not clear the Ground Fault, the Power Center will be shut down
- Only system providing Cable Reel protection

## Samincos Part Numbers:

**A800203 - Ground Fault Detection Diode Assembly; A800393 EMC Filter;**  
**A800390 - GF Detection Transmitter; A800392 - GF Detection Receiver**

