

Ground Fault and Cable Break Detection System

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

SAMINCO
ELECTRIC TRACTION DRIVES



**A800203 Ground Fault
Detection Diode Assembly**



**A800390
GF Detection
Transmitter**



**A800392
GF Detection
Receiver**

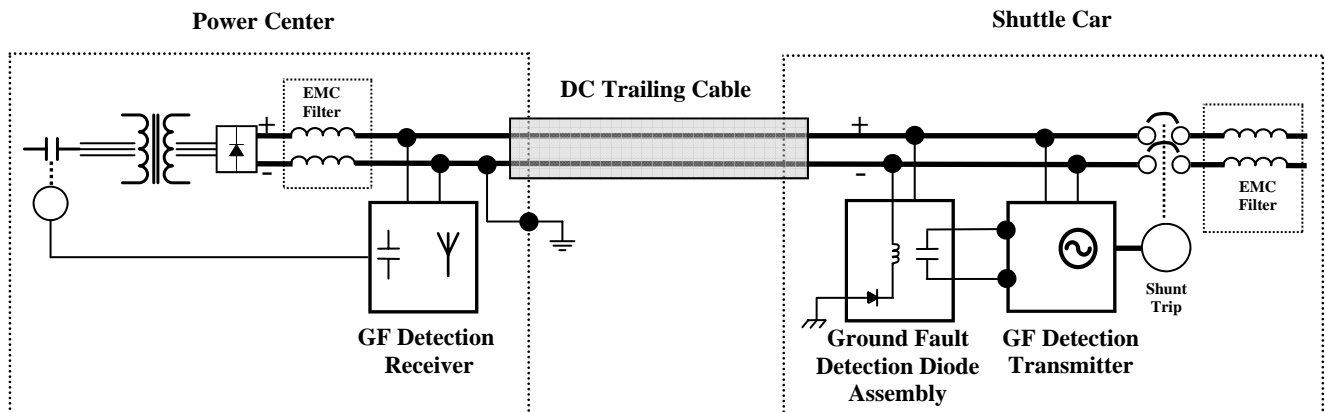


**A800393
EMC Filter**

- Safety Improvement - Only System that Removes High Voltage from DC Trailing Cable
- Instantly detects cable break - no exposed 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 for Negative Ground DC ShuttleCars
- Sensing Current 15A DC Maximum
- Designed for Saminco DC Trailing Cable VFD or DC/DC Shuttle Car System
- Assembly can be mounted in any Position—Does not use Mercury Tube Contacts
- 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

Saminco Part Numbers:

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



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GFDS
Effective: 10 Aug 06

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