

750 V dc conductor rail system



Always test before applying earths or straps.

Brief

- Always prove the testing device before use
- Where possible, reprove the device after use
- Always use the test device before applying the short circuiting bar
- Always keep the short circuiting bar applied while applying the short circuit strap

This lifesaving rule applies to

- All components that may be energised at 750 V dc which include but is not limited to,
 - Conductor rail
 - Hook switches
 - Controlled track isolators and switches
 - Other trackside switches
 - Track current relays
 - Trackside voltage relays
 - Conductor rail heating systems
 - Cables

This lifesaving rule does not apply to

- Remotely controlled, or manually operated fixed short circuiting devices when operated under the direction of the electrical control operator (ECO)
- Local (depot) isolation
- Emergency switch offs in accordance with instruction 23 of NR/WI/ELP/3091

Learning for the future

- Every short circuiting bar or strap applied to a live conductor shall be formally investigated using the fair culture process
- A Close Call should be raised when a conductor is tested live and it is not expected to be live

Guidance/Notes

- The Lifesaving Rule does not apply to train crew who have been deemed competent by their employer to use the short circuit bar.