

# ELECTRICAL ENGINEERING

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## Helping the Mini E plug into the future of motoring

GREENBROOK IS LENDING its support to greener motoring by supplying its Powerbreaker RCDs to the field trials for the new Mini E, the first car to use latest generation lithium-ion technology - the result being a fully electric prototype.

The first wave of UK field trials are underway and BMW has worked with Scottish & Southern Energy and SEEDA (South East England Development Agency) to ensure the re-charging infrastructure is in place to support the trial.

Electrical contractor, SEC, was responsible for installing all the electrical re-charge points which are located at the homes and workplaces of the trial group, along with car parks, shopping centres etc, within the field trial area. These 32A charge points will re-charge the cars from zero in 4.5 hours but each driver has also been provided with the Powerbreaker in-line RCD unit to allow them to plug the vehicle into any 13A socket, which will re-charge the vehicle in ten hours.



Dave Edney from SEC explained, "Protecting the trial volunteers from any spikes in current when they are charging the vehicles using a 13A socket was all part of the brief. The PowerBreaker J62 in-line RCD is a fully portable RCD that will protect both the volunteers and the cars from any current leakage."

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